

FORTY-SEVENTH ANNUAL REPORT

OF THE

Department of Marine and Fisheries

1913-14

FISHERIES

PRINTED BY ORDER OF PARLIAMENT



OTTAWA

PRINTED BY J. DE L. TACHÉ, PRINTER TO THE KING'S MOST
EXCELLENT MAJESTY

1914

To Field Marshal His Royal Highness Prince Arthur William Patrick Albert Duke of Connaught and of Strathearn, K.G., K.T., K.P., etc., etc., etc., Governor General and Commander-in-Chief of the Dominion of Canada.

MAY IT PLEASE YOUR ROYAL HIGHNESS :

I have the honour to submit herewith, for the information of Your Royal Highness and the legislature of Canada, the forty-seventh Annual Report of the Department of Marine and Fisheries, Fisheries Branch.

I have the honour to be,

Your Royal Highness's most obedient servant,

J. D. HAZEN,

Minister of Marine and Fisheries.

DEPARTMENT OF MARINE AND FISHERIES,
OTTAWA, NOVEMBER, 1914.

ERRATA.

On page 4, line 10: \$959,492 should read \$913,217.

On page 4, line 11: \$38,592 should read \$84,867.

On page 7, line 27: \$4,292,657 should read \$4,294,657, and \$799,164 should read \$797,164.

On page 141, the value of clams canned should read \$51,984 instead of \$19,494.
The total value for Charlotte county should read \$1,386,462.

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DEPUTY MINISTER'S REPORT

To the Honourable

J. D. HAZEN,

Minister of Marine and Fisheries.

SIR,—I have the honour to submit the forty-seventh annual report of the Fisheries Branch of this Department, which is for the fiscal year ended March 31, 1914.

The following nineteen appendices are included:—

No. 1. Nova Scotia Fisheries.

2. New Brunswick Fisheries.

3. Prince Edward Island Fisheries.

4. Quebec Fisheries.

5. Ontario Fisheries.

6. Manitoba Fisheries.

7. Saskatchewan and Alberta Fisheries.

8. Yukon Fisheries.

9. British Columbia Fisheries.

10. Imports and Exports of Fish.

11. The Fisheries Patrol Service.

12. Oyster Culture.

13. Fish Breeding.

14. Canadian Fisheries Museum.

15. Fisheries Expenditure and Revenue.

16. Fishing Bounty.

17. United States Fishing Vessels Entries.

18. The Outside Fisheries Staff.

19. Report on the Biological Stations.

INTERNATIONAL FISHERIES COMMISSION.

Since my last report was submitted, the United States representative on the Commission, Mr. Job E. Hedges, of New York, resigned, and was succeeded by Dr. Hugh M. Smith, the United States Commissioner of Fisheries at Washington.

For a time, there appeared reason to hope that after more than four years' delay, the regulations as drawn up by the Commissioners would be approved by Congress. Unexpected difficulties have, however, arisen, and it is now doubtful whether they will be.

With a view to the conservation of the food resources in the boundary waters, which experience shows could best be achieved by united action by the Federal

Governments of both countries, and in the hope of arriving at a satisfactory agreement, the Canadian Government has shown its willingness to prolong the consultations between its Commissioner and the successive Commissioners appointed by the United States Government. If, however, the United States authorities are unable to see their way to approve the regulations, and to co-operate with the Canadian Government in the work of conservation, obviously the Canadian Government will, to its regret, be forced, by circumstances for which it must disclaim all responsibility, to reserve liberty of action.

BIOLOGICAL STATIONS.

An interesting report, by the Secretary Treasurer of the Biological Board on the work done at and in connection with its stations during the year, forms Appendix 19 to this Report.

TRANSPORTATION OF FRESH AND MILDLY CURED FISH.

The nature of the assistance given by the Department during the past few years to aid in rapid development and expansion of the fresh and mildly cured fish business, has been fully explained in previous reports. This assistance has been continued without interruption during the year just closed, and has been extended by the inauguration of an express refrigerator car service one day each week from Mulgrave to Montreal. Shipments from Halifax, and west thereof, are consolidated in this car at Truro.

As was pointed out in my last annual report, experience has shown that to assure fresh fish packed in ice reaching distant points with the ice still unmelted, refrigerator cars are needed, even by express, and the extent to which this additional service was availed of, warrants the hope that the time is not far distant when all shipments for considerable distances will go forward in such cars.

This service was started on the 9th August, and was continued until the 24th January, when the harbours about the eastern portion of Nova Scotia were closed by ice. It is the intention to again start the service when fishing is resumed in the spring.

The condition on which the service was started was that the Department guaranteed the earnings on these cars on each trip west to the extent of those on 10,000 pounds; but with the exception of nine occasions out of the twenty-four made, the shipments were over ten thousand pounds. The occasions on which they fell short and the amounts then carried are as follows:—

	Lbs.
September 6	9,427
September 27	9,625
October 4	9,600
October 11	9,965
October 18	7,540
December 27	9,584
January 3	9,273
January 17	8,425
January 24	6,961

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From this statement it will be observed that the extra cost of this service was \$143.96.

It was arranged to have this car leave the coast on Saturdays, more with the object of serving the Toronto than the Montreal markets, as shipments in ordinary express cars have a much better chance of reaching Montreal than Toronto in good condition, and as shipments in this car reach Montreal with the ice thereon unmelted, they will stand transportation from there in an ordinary express car much better than they otherwise would. To best serve the Montreal markets, a car should leave the coast on Tuesdays; but Toronto dealers desire the larger shipments to reach there on Mondays. Hence, an endeavour was made to have the express companies operate two cars per week, one to Montreal and the other to Toronto; but the railway had not sufficient refrigerator cars available to enable this to be done. It is anticipated however, that by the opening of next season cars will be available, and that a bi-weekly refrigerator express service from the Atlantic coast will be in operation. With such cars running direct to Toronto, it would be practicable to distribute from there much farther west than it is now.

How the business from the east and the west, by express alone, and in less than carload—as the Department bears no share of the cost, when shipments reach carload proportions—has been expanding, will be gathered from the following figures, which show the amount paid by the Department as its share of the express charges:—

Year.	On shipments from East.	On shipments from West.
	\$ cts.	\$ cts.
1909-10.....	15,162 20	13,541 76
1910-11.....	16,898 13	21,896 73
1911-12.....	19,620 62	35,315 10
1912-13.....	29,969 48	39,277 13
1913-14.....	37,818 85	44,114 47

FISHERIES EXHIBIT AT THE TORONTO FAIR.

As was intimated in the Report for 1912-1913, it was decided that the Department would this year give a Fisheries Exhibit at the Canadian National Exhibition at Toronto. This Fair is yearly visited by people from practically all over Central Canada, so that probably by no other means could such an effective advertisement of fish be carried on for the cost involved.

To enable frozen fish to be properly displayed, a refrigerator of twenty tons capacity, with a glass front, was installed.

It was felt that the Exhibit could be made most effective if the co-operation of some of the larger fish dealers were secured, and the Department, after correspondence with the various important dealers, obtained the co-operation of the Maritime Fish Corporation of Montreal, the North Atlantic Fisheries Limited of Halifax, and the F. T. James Company, Limited, of Toronto. The first two companies above mentioned made a speciality of Atlantic fish, which were shown in frozen, smoked, pickled and

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other attractive ways, while the F. T. James Company, Limited, undertook the rather ambitious task of giving an Exhibit of fresh water fish, in a fresh condition, as well as of the various other lines handled by them. The Department, with the assistance of Mr. F. J. Hayward, of Vancouver, gave an exhibit of the fisheries of British Columbia. The Department also gave an attractive display of specimens of mounted fish from the different parts of Canada.

The Exhibit as a whole, and in detail, was a splendid success, and proved to be one of the leading features at the Fair. Almost continuously throughout the whole time at the Fair it attracted crowds of people, many of whom were inquirers as to where they could procure different kinds of the fish displayed.

As a further evidence of the high regard in which the Exhibit was held, it may be mentioned that it was awarded a gold medal.

There seems little room for doubt that it did much to increase the demand for fish, and that the public interest will be well served by making an even more comprehensive exhibit next year. This it is intended to do.

DAILY BAIT REPORTS.

For the purpose of assisting masters of fishing vessels to locate bait supplies during the cod-fishing season, and thus avoid the great loss of time annually spent in searching for bait from harbour to harbour, the Department, in the course of the year, 1913, put into operation a system whereby definite information concerning supplies along certain stretches of the Atlantic seaboard was collected by the local officer of the Department and despatched, daily, by telegram, to certain important sea ports, and there posted up.

The number of ports selected as receiving stations had necessarily to be limited, but, through the courtesy of the daily papers in Nova Scotia in which the telegrams were published each day, the smaller fishing communities derived the benefit of direct advice as to available supplies of bait.

During the spring ninety-three telegrams were sent from Magdalen Islands, Souris, P.E.I., and Queensport, N.S. to Canso, N.S., Halifax, N.S., Lunenburg, N.S. and Riverport, N.S. During July and August five hundred and fourteen telegrams were sent from Grand Mira, N.S., Little Bras D'Or, N.S., Petit de Grat, N.S., Lower L'Ardoise, N.S., Canso, N.S., Wine Harbour, N.S., Tangier, N.S. and Musquodoboit Harbour, N.S., to North Sydney, N.S., Canso, N.S., Halifax, N.S., Lunenburg, N.S., Riverport, N.S. and Shelburne, N.S.; also from Lockeport, N.S. to Canso, N.S., Halifax, N.S., Lunenburg, N.S., and Riverport, N.S.; from Shag Harbour, Middle West Pubnico and Digby, N.S., to Halifax, Lunenburg, Shelburne and Lockeport, N.S.; from Bedeque and Leoville, P.E.I., to Caraquette and Shippigan, N.B.

The service from Bedeque and Leoville, P.E.I., to Caraquette and Shippigan, N.B., was found to be useless, and will not be continued next season.

During September, October, November and December one hundred and seventy-five telegrams were sent from Grand Manan, N.B., Pennfield, N.B., and St. John, N.B., to Digby, N.S., Yarmouth, N.S., Pubnico, N.S. and Clarke's Harbour, N.S. Each telegram sent out contained specific information as to bait supplies at all the important

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points within the district of the officer who despatched the message. Copies of all telegrams were mailed to the Department at the end of each week, and the work closely followed.

The benefits derived from the first year's operation of this service may be gathered from the following synopsis of the reports from the officers directly concerned:—

The officer at Grand Manan, N.B., reported that the service considerably helped masters of vessels to locate bait supplies. A number of these vessels called at Louisburg during August and generally obtained bait.

The officer at Guysborough reported that masters and owners of fishing vessels benefited greatly by the information posted up at Canso.

The officer at Wine Harbour, N.S., reported that, as a result of the telegraphic information sent to Canso, Halifax, etc., during July and August, several vessels baited at Port Beckerton and other harbours in his district. All the net fishermen much appreciated the fact that the telegrams sent out brought buyers to them who paid fair prices for their herring.

The officer at Musquodoboit Harbour, N.S., reported that during July and August five vessels and a number of boats baited at Owl's Head. The telegraphic information benefited herring fishermen by bringing twenty-five sail of boats from Tancook to Eastern Passage, where they averaged about one hundred barrels per boat.

The officer at Lunenburg, N.S., reported that the bait telegrams were very beneficial to the managing owners of vessels at Lunenburg. As soon as they knew where bait was they telegraphed the information to their captains.

The officer at Allendale, N.S., reported that the reports sent out were the means of bringing a number of vessels to Lockeport, and other points in his district, for bait, which was a decided benefit not only to the vessel fishermen, but to the local net fishermen as well. All were greatly pleased with the service.

The officer at Lower Shag Harbour reported that the service was very satisfactory to trap owners and net fishermen as they readily sold their bait during the months of July and August.

The officer at Middle West Pubnico, N.S., reported that the masters and owners of vessels fresh fishing off Yarmouth made much use of the bait reports from Grand Manan, N.B. Several vessels went from Pubnico to Grand Manan for lobster bait, and were enabled to load and make their trip within two weeks; previously, owing to the lack of definite information regarding catches of bait, such a trip usually occupied four or five weeks' time.

The officer at Digby, N.S., reported the local fishermen as having declared that by knowing exactly where to get bait they caught much more fish than they would have caught without such knowledge. The captain of the schooner *Cora May* depended altogether on the reports in order to get his bait. The captain of a vessel buying fresh fish, and who had to keep the fishermen supplied with bait in order to buy their fish, also depended entirely on the telegraphic reports. In securing bait supplies another captain said that he had been able in many instances to gain several days' fishing and at times a whole trip by the information contained in the bait telegrams. The gasoline boats also benefited greatly by the information. In good fishing weather one boat would be sent directly to where bait was reported as obtainable for enough

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to supply several boats; thus fishing went on without interruption. This officer received many more communications from captains of vessels telling of the benefits derived from the bait reports.

The officer at Pennfield, N.B., reported that, owing to the uncertainty of locating bait supplies during the past season, due to the fact that bait and sardine herring had never before been so scarce in Charlotte County, this service was of an especial benefit to Nova Scotia fishermen as it enabled them to go directly to where bait was available. The service also proved very beneficial to shore fishermen in this officer's district, by informing them as to where bait could be obtained, even in small quantities.

The officer at Grand Manan, N.B., reported that the service proved very beneficial as many fishing vessels from Nova Scotia got bait there for immediate use; also large quantities of bait were secured for lobster fishing purposes. The captain of a Digby vessel informed them that the Daily Bait Reports had been of great service to their fishing fleet, by saving them a lot of time and trouble, as they knew just where they could obtain their bait.

GENERAL REVIEW.

EXTENT OF FISHERIES.

To say that Canada possesses the most extensive fisheries in the world is no exaggeration; moreover, it is safe to add that the water in and around Canada contain the principal commercial food fishes in greater abundance than the waters of any other part of the world. The extraordinary fertility of what may be called our own waters is abundantly proved by the fact that, apart from salmon, all the lobsters, herring, mackerel and sardines, nearly all the haddock, and many of the cod, hake, and pollock landed in Canada are taken from within our territorial waters.

The coast line of the Atlantic provinces, from the Bay of Fundy to the Straits of Belle Isle, without taking into account the lesser bays and indentations, measures over 5,000 miles; and along this great stretch are to be found innumerable natural harbours and coves, in many of which valuable fish are taken in considerable quantities with little effort.

On the Pacific coast, the province of British Columbia, owing to its immense number of islands, bays and fiords, which form safe and accessible harbours, has a sea-washed shore of 7,000 miles.

Along this shore and within the limits of the territorial waters, there are fish and mammals in greater abundance, probably than anywhere else in the whole world.

In addition to this immense salt-water fishing area, we have in our numerous lakes no less than 220,000 square miles of fresh water, abundantly stocked with many species of excellent food fishes. In this connection, it may be pointed out that the area of the distinctly Canadian waters of what are known as the Great Lakes—Superior, Huron, Erie and Ontario—forms only one-fifth part of the total area of the larger fresh-water lakes of Canada.

The fisheries of the Atlantic coast may be divided into two distinct classes: the deep-sea and the inshore or coastal fisheries.

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The deep-sea fishery is pursued in vessels of from 40 to 100 tons, carrying crews of from 12 to 20 men. The fishing grounds worked on are the several banks, which lie from 20 to 90 miles off the Canadian coast. The style is that of "trawling" by hook and line. The bait used is chiefly herring, squid and capelin; and the fish taken are principally cod, haddock, hake, pollock and halibut.

The inshore or coastal fishery is carried on in small boats with crews of from two to three men; also in a class of small vessels with crews of from four to seven men. The means of capture employed by boat fishermen are gill-nets, hooks and lines, both hand-line and trawl; and from the shore are operated trap-nets, haul seines, and weirs. The commercial food fishes taken inshore are the cod, hake, haddock, pollock, halibut, herring, mackerel, alewife, shad, smelt, flounder and sardine. The most extensive lobster fishery known is carried on along the whole of the eastern shore of Canada, whilst excellent oyster beds exist in many parts of the Gulf of St. Lawrence notably on the north coast of Prince Edward Island, and in the Northumberland strait.

The salmon fishery is, of course, the predominant one on the Pacific coast; but a very extensive halibut fishery is carried on in the northern waters of British Columbia in large, well-equipped steamers and vessels. The method of capture is by trawling, dories being used for setting and hauling the lines, as in the Atlantic deep-sea fishery. Herring are in very great abundance on the Pacific coast, and provide a plentiful supply of bait for the halibut fishery.

In the inland lake fisheries, the various means of capture in use are gill-nets, pound-nets, seines and hook-and-line to a great extent. The principal commercial fishes caught are whitefish, trout, pickerel, pike, sturgeon and fresh water herring—the latter in the lakes of Ontario only.

VALUE OF THE FISHERIES.

The total marketed value of all kinds of fish, fish products and marine animals taken by Canadian fishermen from the sea and inland lakes and rivers, during the fiscal year ended March 31, 1914, amounted to \$33,207,748.

This value falls short of that for the preceding year by \$181,716. This, is accounted for by the sockeye salmon run in Northern British Columbia being smaller than usual and the decrease in the value of halibut.

Of this total value the sea fisheries contributed \$29,472,811; while the inland fisheries contributed \$3,734,937. The former being an increase of \$157,039 over that of last year, while the value of the inland fisheries decreased \$338,755.

There was a total of 71,776 men employed in fishing, on 1,992 vessels, tugs and carrying smacks, and 37,686 boats; while 26,893 persons were engaged on shore in canneries, freezers, fish-houses, etc. Of this number 86,486 were engaged in the sea fisheries and 12,183 in the inland fisheries. The number of gasoline boats used in the industry was 8,700, or an increase of 2,789 over that for the preceding year.

The following table shows the value produced from the fisheries of each province in its respective order of rank, with the increase or decrease, as compared with the year 1912-13:—

Provinces.	Value produced.	Increase.	Decrease.
	\$	\$	\$
British Columbia	13,891,398	.....	564,090
Nova Scotia.....	8,297,626	913,571	.....
New Brunswick..	4,308,707	44,653	.....
Ontario.....	2,674,685	.....	168,193
Quebec.....	1,850,427	.....	137,814
Prince Edward Island.....	1,280,447	.....	99,458
Manitoba ..	606,272	.....	193,877
Saskatchewan ..	148,602	36,763	.....
Alberta.....	81,319	29,703	.....
Yukon.....	68,265	.....	42,974
Totals.....	33,207,748	1,024,690	1,206,406
Net Decrease..	.....	.....	181,716

The above table shows that British Columbia again produced the greatest value, although this was much lower than for the previous year. The decrease is wholly due to the comparative smallness of the sockeye salmon run in Northern British Columbia, and to a smaller halibut catch, with a much lower value.

Nova Scotia was the only province to show a substantial increase, while New Brunswick, Saskatchewan and Alberta showed slight increases over the previous year.

The following table shows the quantity of the chief kinds landed in the whole of Canada during 1913-14, and during the two preceding years:—

Kinds of fish.	1913-14.	1912-13.	1911-12.
	Cwt.	Cwt.	Cwt.
Salmon ..	1,551,411	1,253,997	1,136,732
Lobsters.....	514,646	555,138	589,141
Cod.....	1,664,599	1,729,070	2,097,260
Haddock	405,633	503,822	530,221
Hake and cusk.....	353,598	349,395	275,755
Pollock.....	150,094	143,324	250,881
Halibut.....	256,096	282,658	245,609
Herring.....	2,484,219	2,484,673	2,251,278
Mackerel	215,442	107,964	90,141
Sardines.....	141,384	281,548	404,383
Alewives.....	61,768	117,614	75,567
Smelts.....	88,728	102,360	81,748
Whitefish.....	137,887	140,404	131,515
Trout.....	73,164	73,664	80,638
Pickarel.....	61,603	64,839	79,610
Pike.....	64,925	62,492	80,328
Sturgeon.....	4,811	10,035	9,145
Oysters	29,828	23,377	31,746
Clams and quahaugs..... (brl)	121,335	105,303	103,347

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The following table shows the relative values of the chief commercial fishes returning \$100,000 and upwards, in their order of rank for the year under review, with the amount of increase or decrease, when compared with the values for the year 1912-13:—

Kinds of fish.	Value.	Increase.	Decrease.
	\$	\$	\$
Salmon	10,833,713	808,190	
Lobsters	1,710,062	139,048	
Cod	3,387,109	18,359	
Herring	3,173,129		177,417
Halibut	2,036,400		683,216
Mackerel	1,280,319	645,026	
Whitefish	929,962		124,963
Haddock	841,511		224,025
Smelts	810,392		172,408
Trout	682,619		26,459
Sardines	676,668		12,084
Hake and cusk	490,979	90,799	
Pickrel	449,539		15,923
Pike	372,868	53,392	
Clams and quahaugs	368,325	54,278	
Pollock	187,723	9,429	
Oysters	173,753	31,151	

In the table which follows, the total results of the sea and inland fisheries are given separately. In the first two columns are shown the catch of all kinds of sea fish, and its value as realized at the vessel's or boat's side; while in the third and fourth columns are shown the various modes in which the catch was marketed, and the market value of each kind of fish. In the fifth and sixth columns are shown the quantity and value of all kinds of fresh-water fish caught and marketed. Such fish being practically all marketed by the fishermen in its fresh state, no distinction is made between the value of the catch as landed, and its marketed value. In the outer columns are shown the total marketed quantities of the various kinds of both sea and fresh-water fish and the market values of the same.

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Pollock	150,094	147,667	41,396	42,323	41,396	42,323	187,723
" used fresh			36,200	145,400	36,200	115,400	
" dried							
Herring	2,352,605	1,907,754	178,886	503,273	131,614	310,500	3,173,129
" used fresh			4,936	19,274		4,936	
" canned			116,874	422,365		116,874	
" smoked			313,178	470,379		313,178	
" dry salted			131,275	525,190		131,275	
" pickled			279,173	459,432		279,173	
" used as bait			226,524	113,386		226,524	
" used as fertilizer							
Mackerel	215,442	999,269	107,339	780,703		107,339	
" used fresh			36,015	496,072		36,015	
" salted			443	3,544		443	
" canned							
Shad	3,865	25,842	3,273	25,971	848	4,570	1,280,319
" used fresh			199	2,985	51	255	
" salted							
" canned							
Alwives	57,958	54,621	14,809	19,284	3,810	18,619	33,781
" used fresh			14,380	58,541		14,380	
" salted							
" canned							
Sardines	141,384	282,768	85,700	428,500		85,700	85,445
" canned			124,084	248,168		124,084	
" sold fresh							
Hallibut, used fresh	255,096	1,107,052	256,096	2,036,400		256,096	676,668
Flounders	8,115	18,186	8,115	25,029		8,115	2,036,400
Smelts	88,273	521,423	88,273	809,027	455	1,365	25,029
Trout	4,673	43,764	4,673	50,677	68,491	631,942	810,392
Soles	216	324	216	1,080		216	682,619
Albacore	2,954	5,252	2,954	11,809		2,954	1,080
Oulachons	14,732	73,428	14,732	77,106		14,732	11,809
Sturgeon	1,229	9,755	1,229	17,385	3,582	45,105	77,106
Bass	2,454	20,531	2,454	26,162	835	10,086	62,490
Fels	3,578	19,635	3,578	24,868	5,048	32,032	36,248
Tom Cod	19,167	30,026	19,167	40,440		19,167	56,900
Swordfish	13,322	46,658	13,322	61,140		13,322	40,440
Whitefish					137,887	929,962	61,140
Pickered					61,603	449,539	929,962
Perch					14,497	72,985	449,539
Pike					64,925	372,868	72,985
Tullibee					20,157	63,910	372,868
Maskinonge					130	1,659	63,910
Catfish					6,109	46,340	1,659
							46,340

RECAPITULATION—Concluded

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products marketed in a fresh, dried, pickled, canned, etc., state, for the **Whole of Canada**, during the year 1913-14—*Concluded*.

Kinds of Fish.	Sea Fisheries.				Inland Fisheries.		Both Fisheries.		Total Marketed Value.
	Caught and Landed.		Marketed.		Caught and Marketed.		Total Marketed.		
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.			
Octopus.....	211	1,969	211	2,329			211		\$ 2,329
Gold eyes.....					5,089	12,721	5,089		12,721
Carp.....					6,721	33,606	6,721		33,606
Mixed Fish.....	19,731	57,530	19,731	76,822	99,161	316,629	118,892		393,452
Squid.....	2,197	7,001	2,197	9,187			2,197		9,187
Oysters.....	29,828	159,885	29,828	173,753			29,828		173,753
Clams, Quahaugs and Scallops.....	121,335	238,519							
" used fresh.....			95,004	246,001			95,004	246,001	
" canned.....			26,323	122,324			26,323	122,324	368,325
Capelin (bait fish).....	25,100	6,275	25,100	6,275			25,100		6,275
Dulse, Crabs, Cockles, etc.....	10,755	31,267	7,473	51,795			7,473		51,795
Tongues and Sounds.....			4,041	49,811			4,041		49,811
Caviare.....			2	532	851	8,561	871		9,093
Sturgeon Livers.....					453	272	453		272
Whales.....	792	272,400							
Hair seal Skins.....			7,560	8,122			7,560		8,122
Beluga Skins.....			75	375			75		375
Fur seal Skins.....			404	12,120			404		12,120
Whale oil.....			452,566	296,169			452,566		296,169
Fish oil.....			468,251	149,022			468,251		149,022
Fertilizer.....			3,122	68,486			3,122		68,486
Glue material.....				7,478					7,478
Whale Bone and Meal.....			10,094	16,003			10,094		16,003
Totals.....		21,385,192		29,472,811		3,734,937			33,207,748

REVIEW OF THE FISHERIES OF EACH PROVINCE.

NOVA SCOTIA.

The total marketed value of the fish and fish products of this province for the year 1913-14 amounted to \$8,297,626.

This value shows a substantial increase over that for the preceding year of \$913,571. Several kinds which showed greater values this year were: salmon, lobsters, cod, hake and cusk, mackerel, shad, halibut and clams. The values of mackerel and shad were nearly double that of last year.

There was an increase in the amount of capital invested in the fisheries of \$578,620. This is shown chiefly in the increased value of gasoline boats, freezers, and ice-houses, smoke and fish-houses, and piers and wharves.

There were 882 vessels and carrying smacks, manned by 6,664 men; while on 12,908 sail and gasoline boats there were 15,648 men. On shore in the fish-houses, freezers, canneries, some 6,567 persons were employed; thus making a total of 28,879 persons engaged in the fisheries of this province.

District No. 1.

This district, which comprises the whole of the island of Cape Breton, shows a slight increase in the value of its fisheries for 1913-14, the total marketed value being \$998,084 against \$913,217 for the preceding year, an increase of \$84,867.

Owing to unfavourable weather conditions and the dogfish pest, the catches were not so large.

An increase was shown in the catches of the following: salmon, cod, mackerel, herring and halibut.

The totals of the chief kinds landed in the district during the year, and those landed during the two preceding years were as follows:—

Kinds of fish.	1913-14	1912-13.	1911-12.
	Cwt.	Cwt.	Cwt.
Salmon.....	2,406	1,903	2,690
Lobsters.....	51,426	53,221	49,250
Cod.....	114,043	101,696	146,440
Haddock.....	64,949	70,220	95,708
Hake.....	7,338	6,541	6,384
Pollock.....	5,245	7,141	10,244
Herring.....	54,947	47,886	33,621
Mackerel.....	36,772	19,882	8,883

There were sixteen more men employed on vessels and smacks, 682 more on boats, and 1,088 more on shore in canneries, freezers, fish-houses, etc., making a total increase of 1,754 persons employed in the fisheries.

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A greater number and value of boats, lobster canneries, smoke and fish-houses, and piers and wharves are recorded.

This district shows a total increase in capital invested in the fisheries of \$351,560.

District No. 2.

This district comprises the counties of Cumberland, Colchester, Pictou, Antigonish, Guysborough, Halifax and Hants. For the year under review a slight increase was recorded in the marketed value of the fish caught, the figures for 1913-14 being \$2,207,721 against \$2,176,181 for the previous, an increase of \$31,540.

The catch of mackerel shows an increase from 19,441 cwts. to 59,225 cwts., with a corresponding higher value of \$368,034 for the present year. Halibut also shows a substantial increase.

In the following table the catches of the chief kind of fish are shown, together with those for the two previous years:—

Kinds of fish.	1913-14.	1912-13.	1911-12.
	Cwt.	Cwt.	Cwt.
Lobsters.....	93,258	101,075	97,682
Mackerel.....	59,225	19,441	48,970
Cod.....	147,694	137,314	181,439
Halibut.....	21,962	13,692	17,794
Haddock.....	101,375	162,172	192,774
Herring.....	111,165	110,156	161,698

Fishing material, boats, vessels, etc., were valued this year at \$1,971,321, against \$1,993,889 for last year. The decrease of \$22,568 is due chiefly to the fact that piers and wharves depreciated in value to quite an extent.

There were 771 men employed on vessels and smacks, 4,469 on boats, and 1,983 persons in freezers, fish-houses, canneries, etc., against 872, 4,608 and 2,033, respectively, last year. This gives a decrease of 290 persons engaged in the industry.

District No. 3.

The fisheries of this district, which comprises the counties of Lunenburg, Queens, Shelburne, Yarmouth, Digby, Annapolis and Kings, shows a considerable increase in the marketed value of the fisheries, the value this year being \$5,091,821 compared with \$4,294,657, or an increase of \$797,164.

Lobsters, cod, herring, mackerel, hake and cusk, and halibut were caught in greater abundance than in the previous year.

One of the interesting features in the fishing industry in this part of the province is the development of the canned fish trade. Amongst the kinds being put up in tins are herring, mackerel, halibut and albacore.

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The following table shows the landings of the chief kinds of fish during the year, as well as for the two preceding years:—

Kinds of fish.	1913-14.	1912-13.	1911-12.
	Cwt.	Cwt.	Cwt.
Lobsters.....	157,577	129,222	175,316
Cod.....	709,133	689,095	1,021,493
Haddock.....	221,062	239,880	217,876
Hake and cusk.....	203,838	167,998	135,218
Herring.....	220,361	218,105	180,033
Mackerel.....	66,610	45,263	8,899

The amount of capital invested in the fisheries in this district increased from \$3,818,163 in 1912-13 to \$4,066,791 for this year. The most important increase is shown in the value of freezers and fish-houses.

The number of persons employed in the industry, when compared with the previous year shows an increase of 877.

In Appendix No. 1 will be found full details of the Nova Scotia fisheries.

NEW BRUNSWICK.

The total marketed value of the fisheries for the province during the year 1913-14 was \$4,308,707, or an increase of \$44,653 over that for the previous year. Of this total value the sea fisheries contributed \$4,266,759, and the inland fisheries \$41,948. Each showing a slight increase.

There was a total capital investment in the industry in this province of \$3,600,547, as compared with \$3,508,889 for the previous year.

The value of gear, vessels, etc., in the sea fisheries is \$3,491,334, while that for the inland section is \$109,213.

The number of persons employed in the fisheries was 21,876, an increase of 201 during the year. Of this number 1,488 were employed on vessels and smacks, 14,052 on boats and 6,336 in fish-houses, canneries, freezers, etc.

District No. 1.

The total marketed value of the fisheries of this district, which comprises the counties of Charlotte and St. John, amounted to \$1,572,119; a decrease of \$40,480.

The following table shows the chief kinds landed during the year, and those landed during the two preceding years:—

Kinds of fish.	1913-14.	1912-13.	1911-12.
	Cwt.	Cwt.	Cwt.
Lobsters.....	11,751	12,410	8,539
Herring.....	197,297	189,200	150,660
Sardines.....(brl)	141,384	280,282	403,103
Pollock.....	70,862	47,954	58,210
Hake.....	65,180	97,524	79,412
Salmon.....	3,998	3,295	3,353
Cod.....	18,832	25,253	18,160

There was \$65,030 more invested in the fisheries in this district. It took 389 men to man the vessels and carrying smacks, 2,344 fishing in boats, and 1,034 persons employed in canneries, freezers, etc., making a total of 3,767 persons employed. This falls short of the previous total, by 143; the decrease being due to fewer persons being employed on shore in the fish-houses, canneries, etc.

District No. 2.

This district, which comprises the counties of Albert, Westmorland, Kent, North-umberland, Gloucester and Restigouche, shows a total marketed value of fish and fish products of \$2,694,640. This shows a slight increase of \$83,307 over the value for the preceding year. This increase was due to the higher price of lobsters, and to greater catches of herring, mackerel, clams and quahaugs.

The chief kinds of fish landed during the year, as compared with those landed during the two previous years, are shown in the following table:—

Kinds of fish.	1913-14.	1912-13.	1911-12.
	Cwt.	Cwt.	Cwt.
Salmon.....	13,090	10,004	9,144.
Lobsters.....	66,426	71,768	83,343
Cod.....	221,603	218,683	180,400
Herring.....	670,829	565,482	552,729
Mackerel.....	16,831	6,010	5,671
Smelts.....	60,059	79,854	64,179
Clams and quahaugs.....(brl.)	29,214	22,416	33,674

The value of fishing gear, boats, and other material was \$1,567,460, as compared with \$1,549,310 for the year previous.

There were 16,940 persons engaged in the industry, divided as follows: 1,050 men on vessels, 10,539 men on boats, 49 on carrying smacks, and 5,302 persons on shore in the fish-houses, freezers, canneries, etc. This gives an increase of 102 persons employed.

District No. 3.—(Inland.)

The total marketed value of the fisheries of this district, which includes the counties of Kings, Queens, Sunbury, York, Carleton, Victoria and Madawaska, amounted to \$41,948, or an increase of \$1,816 over the value for the preceeding year. The fishermen in this district had a good season for salmon fishing and bass; the latter appearing in fairly large quantities.

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The following table shows the catches of the chief kinds during the year, and during the two preceding years:—

Kinds of fish.	1913-14.	1912-13	1911-12.
	Cwt.	Cwt.	Cwt.
Salmon.....	897	578	520
Trout....	728	574	579
Pickarel.....	528	897	658
Alewives....	3,810	.....	3,760

There was an increase in the capital investment of \$8,468, and 237 more men were engaged on boats than during the previous year.

In Appendix No. 2 there will be found fuller details of the fisheries for New Brunswick.

PRINCE EDWARD ISLAND.

During the year 1913-14 the fisheries of this province were valued at \$1,280,447, as compared with \$1,379,906 for the preceding twelve months. This shows a decrease of \$99,459, due to the falling off of the lobster, hake and smelt fishing. Big increases will be noted, however, in the return of cod, mackerel, clams and quahaugs, and oysters.

The following table shows the catches of the chief kind during the year under review, and the two preceding years:—

Kinds of fish.	1913-14.	1912-13.	1911-12.
	Cwt.	Cwt.	Cwt.
Lobsters.....	92,898	136,992	118,090
Cod.....	59,022	49,876	49,653
Herring.....	85,295	83,391	79,178
Mackerel.....	11,496	5,448	5,005
Oysters.....	12,951	8,631	8,835
Smelts.....	9,777	10,545	5,688
Clams and quahaugs.....	18,966	4,685	8,083

The capital invested in the fisheries increased from \$851,070 to \$948,667. The number of gasoline boats in use was increased by the addition of 361. To carry on the work of this industry 108 men were employed on the vessels and carrying smacks, 3,656 men on boats and 2,500 helpers on shore in the canneries, fish-houses, etc. This gives a total of 6,264 persons employed; as compared with 5,703 during the preceding year.

In Appendix No. 3 will be found more complete information on the fisheries of Prince Edward Island.

QUEBEC.

The total marketed value of the fisheries of this province amounted to \$1,850,427, to which the sea fisheries contributed \$1,736,581, and the inland fisheries \$113,846. This shows a decrease in value of \$137,814, due to the poor fishing season.

Gulf Division—Sea Fisheries.

The value of the fisheries of this division, which comprises the counties of Bonaventure, Gaspé (including the Magdalen Islands), Rimouski, Chicoutimi and Saguenay (including the Island of Anticosti), shows a decrease of \$135,810. This large decrease was caused by rough weather during which time the fishermen were unable to engage in their occupation, and the short season. Fishing started very late in the season and was practically over in September. Nearly all of the principal kinds of fish show decreased catches, with the exception of mackerel, which was more than double the amount landed last year.

There were 87 whales landed, this being three short of the number captured last year. Owing to higher prices which were prevalent, however, the results of this branch of the industry was about equal to that of the previous season.

In the following table there is shown the catches of the chief kinds for the year under review, together with those for the two years previous:—

Kinds of fish.	1913-14.	1912-13.	1911-12.
	Cwt.	Cwt.	Cwt.
Salmon	12,676	8,946	8,278
Lobsters.....	41,310	50,450	56,927
Cod ..	365,052	478,573	474,610
Herring.....	363,649	358,709	393,982
Mackerel.....	23,598	11,786	12,713
Smelts.....	12,146	4,019	3,540

The total capital invested in the fisheries of this district shows decrease from \$1,379,689 to \$1,331,656. The number of gasoline boats shows an increase in number of 70, and in value of \$21,625.

There were 9,929 persons engaged in the industry, divided as follows: 149 men on vessels, 7,985 men on boats, 19 men in carrying smacks and 1,776 persons on shore in the canneries, fish-houses, etc. The total shows a decrease of 517 from last year.

Inland Fisheries.

The total value of what is known as the inland fisheries was \$113,846, or a decrease of \$2,006 from that of the previous year.

The following table shows the landings of the chief kinds of fish, compared with that for the two previous years:—

Kinds of fish.	1913-14.	1912-13.	1911-12.
	Cwt.	Cwt.	Cwt.
Pickeral.....	1,229	1,423	1,175
Trout	967	1,240	1,000
Eels	2,496	3,167	4,428
Sturgeon.....	977	1,742	2,095
Pike.....	935	855	914
Perch.....	1,823	1,722	1,726

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In this division there were 1,024 men employed on boats, and 20 persons in fish-houses, freezers, canneries, etc.

There will be found fuller details of the fisheries of Quebec in Appendix No. 4.

ONTARIO.

The fisheries of this province are administered by the Provincial Government, this Department having three inspectors who exercise a general supervision only.

The Department is, therefore, indebted to the Provincial Superintendent of Game and Fisheries for the summary of the fisheries of the province, contained in this Report.

The value of the fisheries was \$2,674,685, as compared with \$2,842,877 for the previous year.

A table showing the catches of the chief kinds of fish taken for the past three years is given for the sake of comparison:—

Kinds of fish.	1913-14.	1912-13.	1911-12.
	Cwt.	Cwt.	Cwt.
Trout.....	62,204	63,707	65,120
Whitefish.....	52,263	58,897	44,540
Herring.....	130,718	170,677	131,020
Pickrel.....	26,564	26,656	20,225
Pike.....	34,547	24,732	20,985
Perch.....	12,427	13,931	9,572

In Appendix No. 5 will be found details of the fisheries of the province, together with reports by the three federal officers. Those who desire fuller information, however, should consult the report of Provincial Game and Fisheries Department at Toronto.

MANITOBA.

The fisheries of the province this year show a decrease in value from \$800,149 in 1912-13 to \$606,272. This difference was caused by the lessened catch of whitefish, owing to the stormy weather during the greater part of the summer fishing season.

The following table shows the catches of the chief kinds for the year under review, and the two preceding years:—

Kinds of fish.	1913-14.	1912-13.	1911-12.
	Cwt.	Cwt.	Cwt.
Whitefish.....	38,243	48,439	51,844
Pickrel.....	31,024	33,044	54,274
Pike.....	18,756	29,770	32,890
Tullibee.....	13,844	8,470	7,129

There was an increase in the capital invested in the industry of \$30,233. The number of persons employed was 1,448, distributed as follows: 92 men on vessels, 1,070 men on boats and 286 persons in freezers and fish-houses. This total falls short of that for the previous year by 208.

Appendix No. 6 gives fuller details of the fisheries of the province.

SASKATCHEWAN.

The marketed value of the fisheries of this province was \$148,602; as compared with \$111,839 for the previous year.

The catch of whitefish was slightly greater than during the previous year, but owing to the unfavourable condition of the roads, large quantities were held up until quite late, and consequently the prices paid to the fishermen were not so good as they otherwise might have been.

The following table shows a comparison between the catches of the chief kinds this year and for the two previous years:—

Kinds of fish.	1913-14.	1912-13.	1911-12.
	Cwt.	Cwt.	Cwt.
Whitefish.....	30,993	23,120	30,856
Pike ..	7,936	5,197	5,975
Pickarel	1,710	2,193	2,656
Mixed fish.....	4,984	2,915	3,195

There was a total of \$30,941 invested in the fisheries as compared with \$12,920 in 1912-13. The number of men licensed also increased from 484 to 645.

In Appendix No. 7 will be found interesting reports by the Chief Inspector and Inspector for the province, as well as statistics of the fisheries of the various districts.

ALBERTA.

The value of the fisheries of this province, for the year under review, show an increase of \$29,703 over that for the previous year. The catch of whitefish increased from 8,048 cwts. to 14,012 cwts., while trout shows an increase of 1,188 cwts.

There was \$15,878 invested in the fisheries this year compared with \$9,744 for 1912-13. Sail boats show an increase of 154.

The number of men in boats was 4,130. In 1912-13 there were only 1,589.

Fuller details of the fisheries of this province will be found in Appendix No. 7, together with an interesting report on the *Inconnu*.

YUKON TERRITORY.

The value of the fisheries in the Yukon has decreased since 1912-13, when it was \$111,239, to \$68,265. Salmon, whitefish, pike and mixed fish show decreased values of \$4,210, \$12,124, \$3,830 and \$18,380, respectively.

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There were \$11,798 invested in the industry as compared with \$10,975 for the preceding year.

Ninety-one more men were engaged in this occupation than in the previous year.

Appendix No. 8 contains fuller information of the fisheries of the Yukon.

BRITISH COLUMBIA.

The total marketed value of the fisheries of this province amounted to \$13,891,398 for the year 1913-14. This was a decrease of \$564,090 from the record established for the previous year.

The salmon catch in the southern part of British Columbia shows an increased value of \$2,474,014; this was due to the year 1913 being a "big run" year in the Fraser river. In Northern British Columbia, or District No. 2, there was a decrease in the value of salmon of \$2,040,037. In the Vancouver Island District the value shows an increase of \$259,325.

Herring shows a falling off in value of \$61,834.

The greatest decrease was in the halibut fishery, which has a value of \$1,734,200 compared with \$2,461,208 for the year previous.

The number of whales captured was 705, compared with 1,107 for 1912-13, which of course gives a corresponding lower market value to these mammals.

The catches of the chief kinds of fish are shown in the following table, also the catches of the same kinds for the two previous years:—

Kinds of fish.	1913-14	1912-13.	1911-12.
	Cwt.	Cwt.	Cwt.
Salmon	1,500,354	1,221,057	1,103,666
Cod	29,220	28,580	25,065
Herring	649,062	729,567	545,442
Halibut	223,465	253,283	196,486

The capital invested in the fisheries increased from \$9,941,049 in 1912-13 to \$12,489,613.

The number of gasoline boats used increased from 1,334, with a value of \$705,900, to 2,434, with a value of \$1,018,150.

The number of persons employed was 20,707, or an increase of 5,079. They were divided as follows: 1,193 men on vessels, 10,055 men on boats, 68 men on carrying smacks, and 9,391 persons in fish-houses.

District No. 1.

The fisheries of this district show a substantial increase of \$749,467, due to this being the year for the big run of salmon on the Fraser river. There were 732,059 cases of salmon packed, compared with 173,921 cases for 1912-13. The increase in value of the salmon fishery was \$2,474,014.

When the salmon are so plentiful the fishermen pay more attention to it than the other varieties, with the result that there is a decrease in the catches of the other kinds.

Herring was valued at \$209,202, a decrease of \$225,713 from the value of the previous year.

Halibut shows a large decrease, falling from \$2,102,495 to \$929,160.

In the following table there are shown the catches of the chief kinds compared with the two years previous:—

Kinds of fish.	1913-14.	1912-13.	1911-12.
	Cwt.	Cwt.	Cwt.
Salmon.....	797,524	410,000	445,355
Herring.....	29,502	46,800	19,822
Halibut.....	93,677	211,274	158,541
Cod.....	12,690	14,750	14,135
Sturgeon .. .	1,090	5,051	5,168
Smelts.....	1,835	1,864	2,530

The value of gear, vessels, etc., increased from \$3,895,938 in 1912-13 to \$6,130,484.

A very large increase of \$1,516,410 is shown in the value of canneries.

There were 8,778 persons employed, as compared with 4,743 for the previous year. Of this number 143 were on vessels and carrying smacks; 5,142 on boats and 3,493 in fish-houses, freezers, canneries, etc.

District No. 2.

This district, which comprises the northern part of British Columbia and the Queen Charlotte Islands, shows a decrease in the value of the fisheries of \$1,850,503. The value for the year under review being \$3,230,788.

The salmon run was almost a failure; only 417,453 cases being packed, compared with 663,368 for the season of 1912-13. The value of salmon was \$2,462,000, compared with \$4,502,037 for the previous year.

The value of herring fell off from \$11,539 to \$36,712; the catch decreasing from 166,787 cwts. to 62,240 cwts. The reason for this decrease being that the price paid for this fish, especially the salted herring, does not sufficiently pay the fishermen for their trouble.

Halibut increased in value from \$203,553 to \$537,440.

There were only 219 whales captured this year compared with 526 for the year preceding.

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The following table gives the catches of the chief kinds during the past year, compared with the two previous years:—

Kinds of fish.	1913-14.	1912-13.	1911-12.
	Cwt.	Cwt.	Cwt.
Salmon	414,380	589,647	491,989
Halibut	107,488	29,079	27,945
Oulachons	13,950	13,800	15,000
Herring	62,240	166,787	26,310
Whales (Number.)	219	526	309

There was a slight increase in the capital invested in the fisheries of Northern British Columbia of \$135,403.

Six hundred and seventy-five men were employed on vessels, 3,692 on boats, and 3,950 persons on shore in freezers, canneries, etc. This total number of persons engaged in the industry, 8,317, is greater than that for the preceding year by 318.

District No. 3.

This district, which comprises the Island of Vancouver and a portion of the mainland opposite thereto, had a marketed value of \$3,647,823 for its fisheries for the year under review, compared with \$3,110,877 for the previous year; making an increase of \$536,946. The increase being mainly due to larger catches of salmon, herring, and halibut, with correspondingly greater values.

There were 486 whales captured this year, compared with 583 for the previous season.

The following table shows the catches of the chief kinds landed during the year, compared with the two previous years:—

Kinds of fish.	1913-14.	1912-13.	1911-12.
	Cwt.	Cwt.	Cwt.
Salmon	297,450	221,410	166,322
Cod	15,325	12,230	10,000
Herring	557,320	515,80	499,210
Halibut	22,300	12,930	10,000
Clams and Oulachons (bbl.)	10,000	8,865	4,030

There was \$1,884,050 invested in the fisheries; compared with \$1,705,435 for 1912-13, an increase of \$178,615.

The number of persons employed in the industry in this part of the province was 3,612, an increase of 726 over last year. Four hundred and forty-three men were on vessels, 1,221 on boats and 1,948 persons in canneries, freezers, etc.

Appendix No. 9 contains statistics of the fisheries for this province, together with interesting reports by the fishery officers.

RECAPITULATION

By Provinces of the Quantities and Values of all Fish and Fish Products Marketed during the year 1913-14.

Number	Kinds of Fish.	Nova Scotia.		New Brunswick.		Prince Edward Island.		Quebec.		Ontario.		Number
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
1	Salmon, used fresh.....	9,341	138,772	17,985	269,775	90	1,080	10,397	115,793			1
2	" canned.....	24	183									2
3	" salted (dry).....							1,576	15,760			3
4	" mild cured.....											4
5	" smoked.....	24	180									5
6	Lobsters, canned.....	87,449	1,679,664	24,586	491,720	37,159	743,180	16,485	313,215			6
7	" shipped in shell.....	84,063	1,280,393	16,716	201,090			100	800			7
8	Cod, used fresh.....	58,345	112,055	11,387	22,774	3,969	7,938	250	375			8
9	" green salted.....	60,677	202,070	12,385	37,959	4,923	19,232	13,686	41,058			9
10	" smoked.....	1,128	5,640									10
11	" dried.....	263,010	1,571,486	68,694	344,036	15,036	88,763	112,473	671,838			11
12	Haddock, used fresh.....	139,289	320,837	6,682	16,625	201	402	35	70			12
13	" smoked.....	26,833	167,473	730	3,650							13
14	" canned.....	6,947	41,662									14
15	" dried.....	61,028	278,910	1,516	1,786	232	952	1,536	6,144			15
16	Hake and Gusk used fresh.....	16,755	32,084	5,361	6,707	15	22					16
17	" dried.....	77,476	334,435	23,750	81,815	8,379	33,516	800	2,400			17
18	Pollock, used fresh.....	3,649	4,576	37,747	37,747							18
19	" dried.....	25,164	106,774	11,036	38,626							19
20	Herring, used fresh.....	52,549	60,651	78,817	78,847	4,151	6,056	2,221	3,779	130,718	658,038	20
21	" canned.....	3,604	12,614	1,332	6,660							21
22	" smoked.....	13,611	49,454	91,025	265,961			1,300	8,600			22
23	" dry salted.....											23
24	" pickled.....	49,210	198,727	69,177	277,316	519	2,256	10,696	42,784			24
25	" used as bait.....	78,149	149,246	72,520	116,556	39,789	73,945	61,780	92,670			25
26	" used as fertilizer.....	596	298	126,890	63,570			99,038	49,518			26
27	Mackerel, used fresh.....	87,229	581,103	17,057	169,070	2,978	29,780	75	750			27
28	" salted.....	443	3,544	232	2,736	2,848	51,264		125,456			28
29	" canned.....	25,094	316,616									29
30	Shad, used fresh.....	943	9,338	3,007	20,405			60	630			30
31	" salted.....	19	285	281	2,955							31
32	Alewives, used fresh.....	8,363	12,778	10,196	14,006	60	120					32
33	" salted.....	3,743	11,807	10,460	46,380	177	354					33

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NUMBER OF PERSONS EMPLOYED AND AMOUNT OF CAPITAL
INVESTED IN THE FISHERIES.

There was a total number of 98,669 persons engaged in the fisheries of the Dominion during the year under review. Of this number 86,486 were engaged in the sea and 12,183 in the inland fisheries.

This total number is greater than that for the previous year by 10,261, the sea fisheries engaging 9,542 more persons and the inland fisheries 719.

Of the total, 9,927 men were employed on vessels, 61,251 on boats, 598 on carrying smacks, and 26,893 in canneries, freezers, fish-houses, etc.

The capital invested increased from \$24,388,459 in 1912-13 to \$27,464,033. Of this amount there was \$25,371,480 invested in the sea fisheries, and \$2,092,553 in the inland fisheries.

Of the total capital invested \$13,866,780 represents the value of vessels, boats, gear, etc., while \$13,597,253 is the amount invested in canneries, freezers, wharves, fish-houses and other fixtures necessary to the carrying on of the industry.

The following tables show the details of the number and value of boats, vessels, gear, etc., and the number of persons employed in the fisheries for the whole of Canada, table No. 1 giving the sea and inland fisheries separately while table No. 2 shows the totals by provinces.

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TABLE No. 1.

RECAPITULATION

OF the Number of Fishermen, etc., and of the Number and Value of Fishing Vessels, Boats, Nets, Traps, etc., used in the Sea and Inland Fisheries in the whole of Canada, for the year 1913-14.

	Sea Fisheries.		Inland Fisheries.		Total Both Fisheries.	
	Number.	Value.	Number.	Value.	Number.	Value.
		\$		\$		\$
Steam fishing vessels.....	75	1,177,575	199	518,180	274	1,695,755
Sailing and gasoline vessels.....	1,247	2,504,759			1,247	2,504,759
Boats, (sail).....	24,952	1,077,453	4,034	171,136	28,986	1,248,589
" (gasoline).....	8,222	2,376,644	478	208,945	8,700	2,585,589
Carrying smacks.....	471	244,745			471	244,745
Gill nets, seines, trap and smelt nets, etc.	144,806	2,626,396	69,342	796,536	214,238	3,422,932
Weirs.....	720	376,170	114	28,000	834	404,170
Trawls.....	18,913	192,221			18,913	192,221
Spears.....			103	260	103	260
Skates of gear.....	1,888	37,760			1,888	37,760
Hand lines.....	64,246	51,669	7,976	13,233	72,242	64,902
Lobster traps.....	1,617,195	1,464,920			1,617,195	1,464,920
" canneries.....	722	685,325			722	685,325
Salmon ".....	81	4,115,410			81	4,115,410
Clam ".....	19	29,950			19	29,950
Fish ".....	2	2,800			2	2,800
Sardine ".....	6	362,100			6	362,100
Freezers and ice houses.....	817	2,399,560	507	199,020	1,324	2,598,580
Smoke and fish-houses.....	7,496	1,533,712	209	37,090	7,705	1,570,802
Fishing piers and wharves.....	2,552	3,501,561	141	38,775	2,693	3,540,336
Salteries.....	12	1,200			12	1,200
Whaling stations.....	5	550,000			5	550,000
Oil factories.....	1	40,000			1	40,000
Fishing huts and cottages, etc.....			102	81,200	102	81,200
Scows, pille drivers, etc.....	501	19,550			501	19,550
Eel traps.....			98	178	98	178
Totals.....		25,371,480		2,092,553		27,464,033
Number of men employed on vessels...	9,091		836		9,927	
" " boats.....	50,227		11,024		61,251	
" " carry. smacks.....	598				598	
" persons employed in fish houses, freezers canneries, etc.....	26,570		323		26,893	
Total.....	86,486		12,183		98,669	

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COMPARATIVE TABLE showing the total Value of the Fisheries in the respective Provinces of Canada, from 1870 to 1913-14 inclusive, as compiled from the Annual Reports of the Department of Marine and Fisheries.

Year.	Nova Scotia.	New Brunswick.	Prince Edward Island.	Quebec.	Ontario.	British Columbia.	Manitoba, Saskatchewan, Alberta and Yukon.	Total for Canada.
1870.....	\$ 4,019,125	\$ 1,131,433	\$ No data	\$ 1,161,551	\$ 264,982	\$ No data.	\$ No data.	\$ 6,577,391
1871.....	5,101,030	1,185,033	"	1,093,612	193,521	"	"	7,573,199
1872.....	6,016,835	1,965,459	"	1,320,189	267,633	"	"	9,570,116
1873.....	6,577,085	2,285,662	207,595	1,391,564	293,091	"	"	10,754,997
1874.....	6,652,302	2,685,794	288,863	1,608,660	446,267	"	"	11,681,886
1875.....	5,573,851	2,427,654	298,927	1,596,759	453,191	"	"	10,350,385
1876.....	6,029,050	1,953,389	494,967	2,097,668	437,229	"	"	11,117,000
1877.....	5,527,858	2,133,237	763,036	2,569,147	438,223	"	"	12,005,934
1878.....	6,131,600	2,305,790	849,344	2,664,055	318,122	"	"	13,215,678
1879.....	5,752,937	2,554,722	1,402,301	2,820,395	367,133	"	"	13,529,254
1880.....	6,291,061	2,744,447	1,675,089	2,631,556	414,491	"	"	14,499,979
1881.....	6,214,782	2,930,904	1,955,290	2,751,962	609,903	"	"	15,817,162
1882.....	7,131,418	3,192,339	1,855,687	1,976,516	825,457	"	"	16,824,092
1883.....	7,689,374	3,185,674	1,274,468	2,138,997	1,027,033	"	"	16,958,192
1884.....	8,763,779	3,730,454	1,085,619	1,694,561	1,133,721	"	"	17,766,401
1885.....	8,283,922	4,005,431	1,293,430	1,719,460	1,312,692	"	"	17,722,973
1886.....	8,415,362	4,180,227	1,141,991	1,741,382	1,435,998	"	"	18,679,288
1887.....	8,379,782	3,559,507	1,037,426	1,773,567	1,531,850	"	"	18,386,163
1888.....	7,817,030	2,941,863	876,862	1,800,012	1,839,869	"	"	17,418,519
1889.....	6,346,722	3,067,039	886,430	1,876,194	1,963,123	"	"	17,655,256
1890.....	6,636,444	2,629,055	1,041,109	1,615,119	2,009,637	"	"	17,714,902
1891.....	7,011,300	3,571,050	1,238,733	2,008,678	1,806,389	"	"	18,977,878
1892.....	6,340,724	3,263,922	1,179,856	2,236,732	2,042,198	"	"	18,941,171
1893.....	6,407,279	3,746,121	1,133,368	2,218,905	1,694,930	"	"	20,686,661
1894.....	6,547,387	4,351,526	1,119,738	2,363,386	1,659,968	"	"	20,719,573
1895.....	6,213,131	4,403,158	976,836	1,867,920	1,584,473	"	"	20,199,338
1896.....	6,070,895	4,799,433	976,126	2,025,754	1,665,674	"	"	20,407,425
1897.....	8,090,346	3,934,135	954,949	1,737,011	1,289,822	"	"	22,783,546
1898.....	7,226,031	3,849,357	1,070,202	1,761,440	1,433,632	"	"	19,667,121
1899.....	7,347,604	4,119,891	1,043,615	1,953,134	1,549,447	"	"	21,891,706
1900.....	7,809,152	3,769,742	1,059,193	1,989,279	1,333,294	"	"	21,557,639
1901.....	7,989,548	4,193,264	1,050,623	2,174,459	1,428,078	"	"	25,737,153
1902.....	7,351,733	3,912,514	887,024	2,059,175	1,265,706	"	"	21,959,433
1903.....	7,841,602	4,186,800	1,099,510	2,211,792	1,535,144	"	"	23,101,878
1904.....	7,287,099	4,671,084	1,077,546	1,751,397	1,793,229	"	"	23,516,439

COMPARATIVE TABLE showing the total Value of the Fisheries in the respective Provinces of Canada, from 1870 to 1913-14 inclusive, as compiled from the Annual Reports of the Department of Marine and Fisheries—*Concluded.*

Year.	Nova Scotia.	New Brunswick.	Prince Edward Island.	Quebec.	Ontario.	British Columbia.	Manitoba, Saskatchewan, Alberta and Yukon.	Total for Canada.
1905.....	\$ 8,259,085	\$ 4,847,090	\$ 998,922	\$ 2,003,716	\$ 1,708,963	\$ 9,850,216	\$ 1,811,570	\$ 29,479,562
1906.....	7,799,160	4,905,225	1,168,939	2,175,035	1,734,856	7,003,347	1,492,923	26,279,485
1907-08.....	7,632,330	5,300,564	1,492,695	2,047,390	1,935,025	6,122,923	968,422	25,499,349
1908-09.....	8,009,838	4,754,298	1,378,624	1,881,817	2,100,078	6,465,038	861,392	25,451,085
1909-10.....	8,081,111	4,676,315	1,197,556	1,808,436	2,177,813	10,314,755	1,373,181	29,629,169
1910-11.....	10,119,243	4,134,144	1,153,708	1,692,475	2,026,121	9,163,235	1,676,507	29,965,438
1911-12.....	9,367,550	4,886,157	1,196,396	1,868,136	2,205,436	13,677,125	1,467,072	34,667,872
1912-13.....	7,384,055	4,264,054	1,379,905	1,988,241	2,842,878	14,455,488	1,074,843	33,389,464
1913-14.....	8,297,626	4,308,707	1,280,447	1,850,427	2,674,685	13,891,398	904,458	33,207,748

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COMPARATIVE TABLE showing Number and Value of Vessels and Boats engaged in the Fisheries of Canada, together with the Value of Fishing Material used, since 1880.

Year.	Vessels.			Boats.		Value of Nets and Seines.	Value of other Fishing Material.	Total Capital Invested.
	Number	Tonnage.	Value.	Number	Value.			
			\$		\$	\$	\$	\$
1880.	1,181	45,323	1,814,688	25,266	716,352	985,978	419,564	3,936,582
1881.	1,120	48,389	1,765,870	26,108	696,710	970,617	679,852	4,113,049
1882.	1,140	42,845	1,749,717	26,747	833,137	1,351,193	823,938	4,757,985
1883.	1,198	48,106	2,023,045	25,825	733,186	1,243,366	1,070,930	5,120,527
1884.	1,182	42,747	1,866,711	24,287	741,727	1,191,579	1,224,646	5,014,663
1885.	1,177	48,728	2,021,633	28,472	852,257	1,219,284	2,604,285	6,697,459
1886.	1,133	44,605	1,890,411	28,187	850,545	1,263,152	2,720,187	6,814,295
1887.	1,168	44,845	1,989,840	28,092	875,316	1,499,328	2,384,356	6,748,840
1888.	1,137	33,247	2,017,558	27,384	859,953	1,594,992	2,390,502	6,863,005
1889.	1,100	44,936	2,064,918	29,555	965,010	1,591,085	2,149,138	6,770,151
1890.	1,069	43,084	2,152,790	29,803	924,346	1,695,358	2,600,147	7,372,641
1891.	1,027	39,377	2,125,355	30,438	1,007,815	1,644,892	2,598,124	7,376,186
1892.	988	37,205	2,112,875	30,513	1,011,972	1,475,043	3,017,945	7,647,835
1893.	1,104	40,096	2,246,373	31,508	955,109	1,637,707	3,174,404	8,681,557
1894.	1,178	41,768	2,409,029	34,102	1,009,189	1,921,352	4,099,546	9,439,116
1895.	1,121	37,829	2,318,290	34,268	1,014,057	1,713,190	4,208,311	9,253,848
1896.	1,217	42,447	2,041,130	35,398	1,110,920	2,146,934	4,527,267	9,826,251
1897.	1,184	40,679	1,701,239	37,693	1,128,682	1,955,304	4,585,569	9,370,794
1898.	1,154	38,011	1,707,180	38,675	1,136,943	2,075,928	4,940,046	9,860,097
1899.	1,178	38,508	1,716,973	38,538	1,195,856	2,162,876	5,074,135	10,149,840
1900.	1,212	41,307	1,940,329	38,930	1,248,171	2,405,860	5,395,765	10,990,125
1901.	1,231	40,358	2,417,680	38,186	1,212,297	2,312,187	5,549,136	11,491,300
1902.	1,296	49,888	2,620,661	41,667	1,199,598	2,103,621	5,382,079	11,305,959
1903.	1,343	42,712	2,755,150	40,943	1,338,003	2,305,444	5,842,85	12,241,454
1904.	1,316	43,025	2,592,527	41,938	1,376,165	2,189,666	6,198,584	12,356,942
1905.	1,384	41,640	2,813,834	41,463	1,373,337	2,310,503	6,383,218	12,880,897
1906.	1,439	40,827	2,841,875	39,634	1,462,374	2,426,341	7,824,975	14,555,565
1907.	1,390	36,902	2,731,888	38,711	1,437,196	2,266,722	8,374,440	14,826,592
1908-09.	1,441	40,818	3,571,871	39,965	1,696,856	2,283,127	7,957,500	15,508,275
1909-10.	1,750	37,662	3,303,121	41,170	1,855,629	2,572,820	9,626,362	17,357,932
1910-11.	1,680	38,454	3,028,625	38,977	2,483,996	2,786,548	10,720,701	19,019,870
1911-12.	1,648	....	3,502,928	38,701	2,695,650	2,453,191	12,281,135	20,932,904
1912-13.	1,669	....	4,671,923	34,501	3,072,115	4,154,880	12,489,541	24,388,459
1913-14.	1,992	....	4,445,259	37,686	3,834,178	3,423,110	15,761,486	27,464,033

COMPARATIVE TABLE showing the Number of Persons employed in the Fishing Industry since 1895.

Year.	Number of Persons in Canneries and Fish-houses.	Number of Men in Vessels.	Number of Men in Boats.	Total Number of Fishermen.	Total Number of Persons in Fishing Industry.
1895.....	13,030	9,804	61,530	71,334	84,364
1896.....	14,175	9,735	65,502	75,237	89,412
1897.....	15,165	8,879	70,080	78,959	94,124
1898.....	16,548	8,657	72,877	81,534	98,082
1899.....	18,708	8,970	70,893	79,893	98,601
1900.....	18,205	9,205	71,859	81,064	99,269
1901.....	15,315	9,148	69,142	78,290	93,605
1902.....	13,563	9,123	68,678	77,801	91,364
1903.....	14,018	9,304	69,830	79,134	93,152
1904.....	13,981	9,236	68,109	77,345	91,326
1905.....	14,037	9,366	73,505	82,871	96,908
1906.....	12,317	8,458	67,646	76,104	88,421
1907-08.....	11,442	8,089	63,165	71,254	82,696
1908-09.....	13,753	8,550	62,520	71,070	84,823
1909-10.....	21,694	7,931	60,732	68,663	90,357
1910-11.....	24,978	8,521	60,089	68,610	93,588
1911-12.....	25,206	9,056	56,870	65,926	91,132
1912-13.....	23,327	9,076	56,005	65,081	88,408
1913-14.....	26,893	10,525	61,251	71,776	98,669

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OTHER APPENDICES.

IMPORTS AND EXPORTS OF FISH.

Statements showing the quantities of the chief commercial fish and fish products imported into Canada for home consumption, and the quantities of the chief commercial fish and fish products, the produce of Canada, exported during the fiscal year 1913-14 will be found in Appendix No. 10.

The quantities of the different kinds exported in any one year do not necessarily bear any relation to the quantities caught in that year, for the reason that the products may not be all exported during the year in which the fish are caught.

The figures in this appendix are taken from the report of the Customs Department and are reproduced in a convenient form merely for the purpose of showing to what countries the various products of the fisheries are sent.

THE FISHERIES PATROL SERVICE.

For the prevention of illegal fishing and for the general enforcement of the fisheries regulation in the inland waters, and for the prevention of illegal lobster and other fishing on the sea coast, the Fisheries Branch has under its control in the various provinces a number of motor launches and small steamers. Reports on the work of these craft during the year 1913-14 will be found in Appendix No. 11.

OYSTER CULTURE.

In Appendix No. 12 will be found a report by the Department's Oyster Expert, on his work during the season of 1913.

FISH BREEDING.

The annual report on the work carried on in connection with the breeding of fish in the various establishments throughout the Dominion during 1913-14 will be found in Appendix No. 13.

FISHERIES MUSEUM.

In Appendix No. 14 will be found a report on the condition of the Fisheries Museum at Ottawa by the Department's Naturalist.

FISHERIES EXPENDITURE AND REVENUE.

A statement of the total expenditure and revenue in connection with the fisheries of Canada during the fiscal year ended March 31, 1914, forms Appendix No. 15 of this report.

The expenditure amounted to \$1,070,857.94 divided amongst the various services as follows: Salaries and disbursements of fishery officers, \$229,547.16; fish breeding, \$354,675.13; miscellaneous expenditure, \$486,635.65; and \$158,661.25 distributed as fishing bounty.

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The total revenue from fishing licenses, fines, etc., in the different provinces was \$110,994.63 which includes the sum of \$11,728.50, paid by United States fishing vessels, as "modus vivendi" fees.

FISHING BOUNTY.

The fishermen of the Maritime Provinces received the sum of \$158,661.25 as bounty on their respective catches of sea fish during the year 1913.

The number of claims received during the year was 13,412; being greater than that for the preceding year by 441. The number of claims paid was 13,533, which includes a number held over from 1912, and makes an increase of 569.

The sum of \$60,887.10 was paid 910 vessels and their crews; a decrease of 55 compared with the preceding year.

To boats and boat-fishermen was paid the sum of \$97,774.15, the number of boats being 12,623, and of boat-fishermen 21,557, an increase of 625 boats and 1,146 men.

The amount of bounty expended in each province for 1913 was as follows:—

Nova Scotia, \$93,456; New Brunswick, \$16,385.05; Prince Edward Island, \$11,081.85; Quebec, \$37,738.35.

Since the inception of the system in 1882, the sum of \$5,058,861.62 has been paid to fishermen and vessel and boat owners, with a view to encouraging them in the development of their industry.

The regulations governing the payment of the bounty as well as the particulars respecting its distribution from appendix No. 16.

UNITED STATES FISHING VESSEL ENTRIES, ETC.

In Appendix No. 17 will be found lists of United States fishing vessels which made use of Canadian ports, and of United States fishing vessels to which "modus vivendi" licenses were issued during the year 1913-14.

On the Atlantic coast an aggregate of 1,349 entries were made by 219 vessels against 1,890 entries by 300 vessels during the preceding year.

"Modus vivendi" licenses were issued to 94 United States vessels during 1913-14, the revenue from which amounted to \$11,728.50, there being a decrease of 18 in the number of vessels and of \$1,771.50 in the amount of revenue.

THE OUTSIDE STAFF.

The names of the various inspectors of fisheries and fishery overseers, with the districts over which they have jurisdiction, as well as a list of officers in charge of fish hatcheries, and of officers in charge of fisheries patrol boats, will be found in Appendix No. 18.

I have the honour to be, sir,

Your obedient servant,

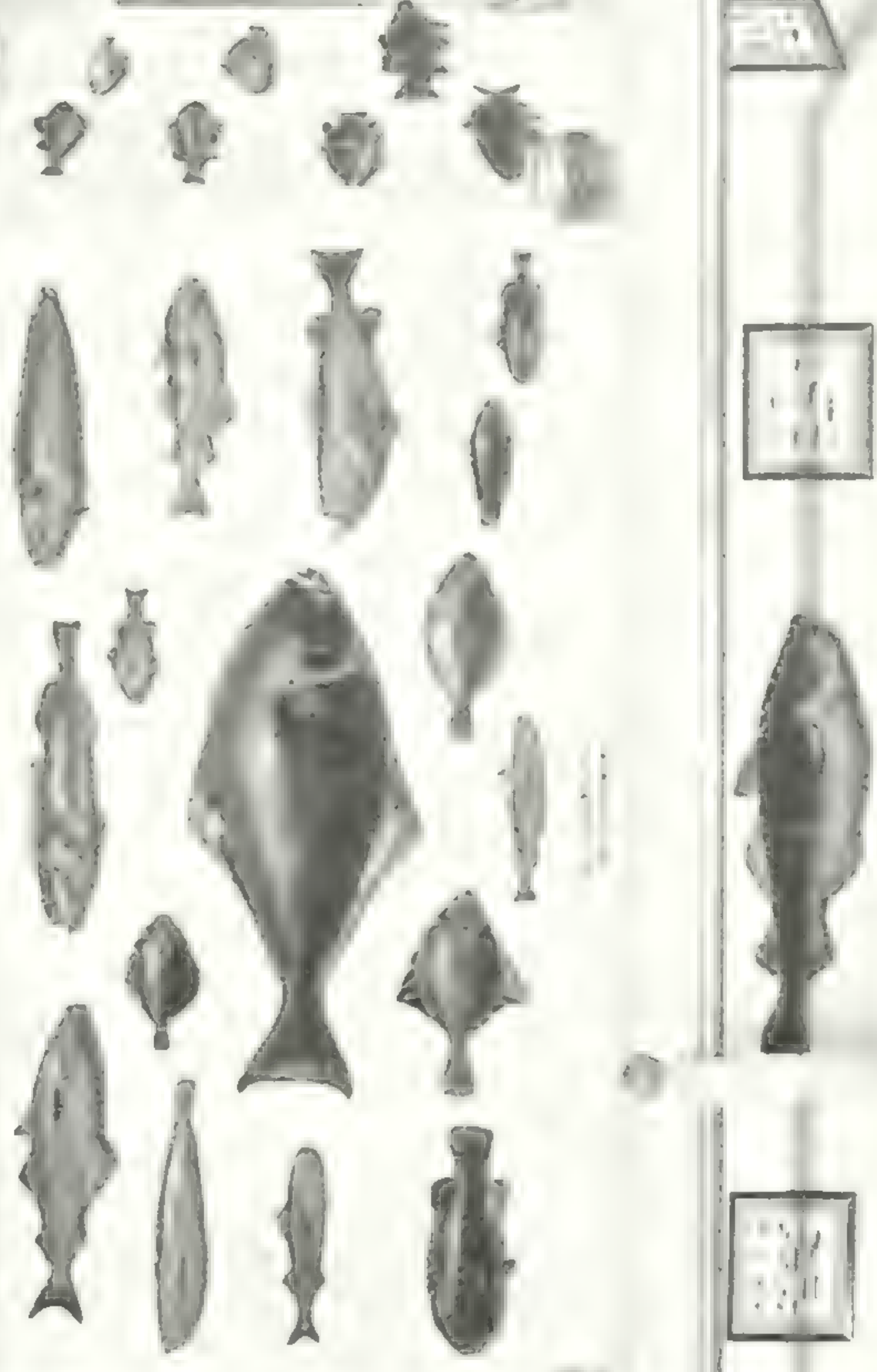
A. JOHNSTON,

Deputy Minister of Marine and Fisheries.

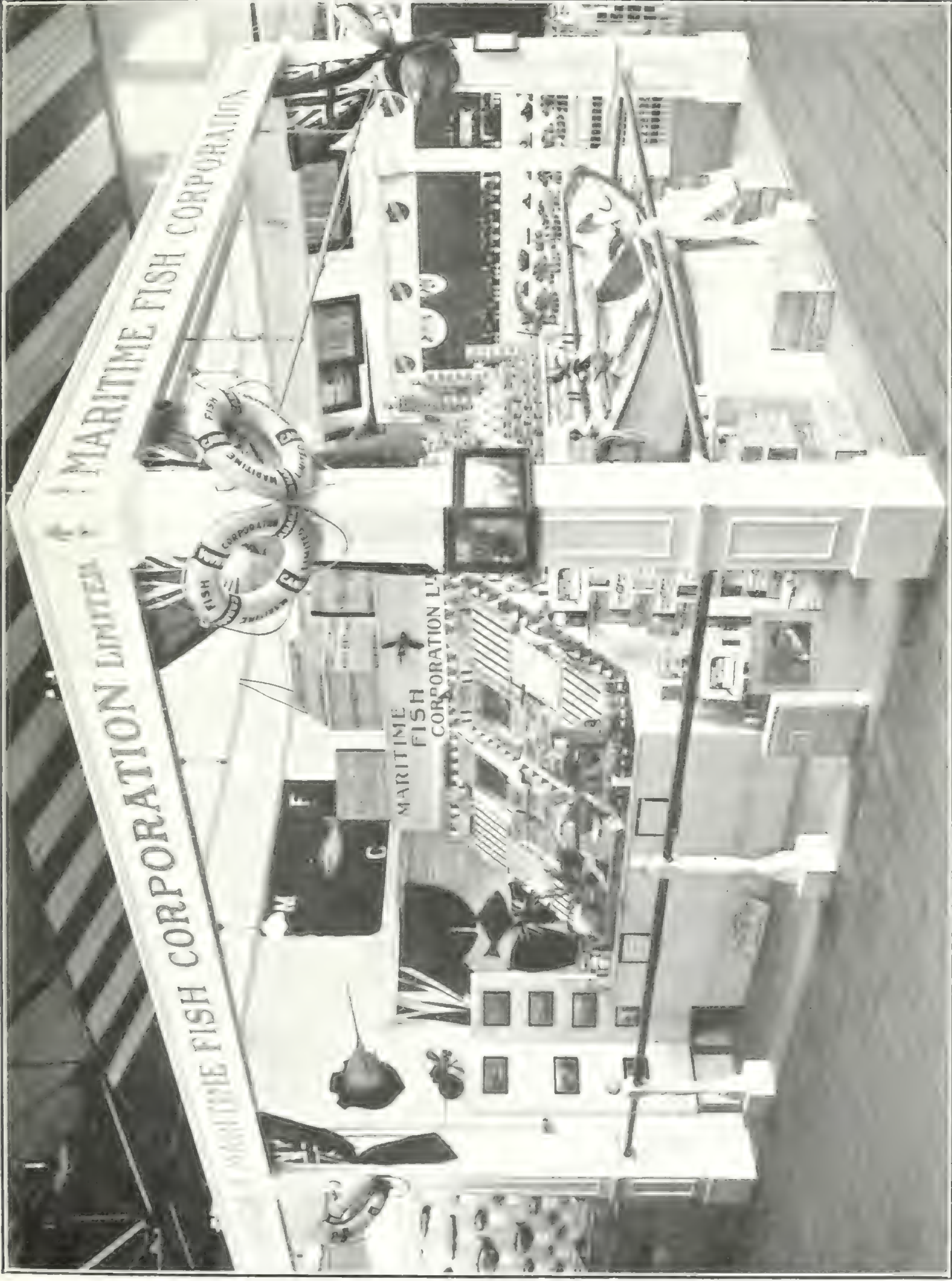
PHOTOGRAPHS

DEPARTMENT OF MARINE FISHERIES, CANADA

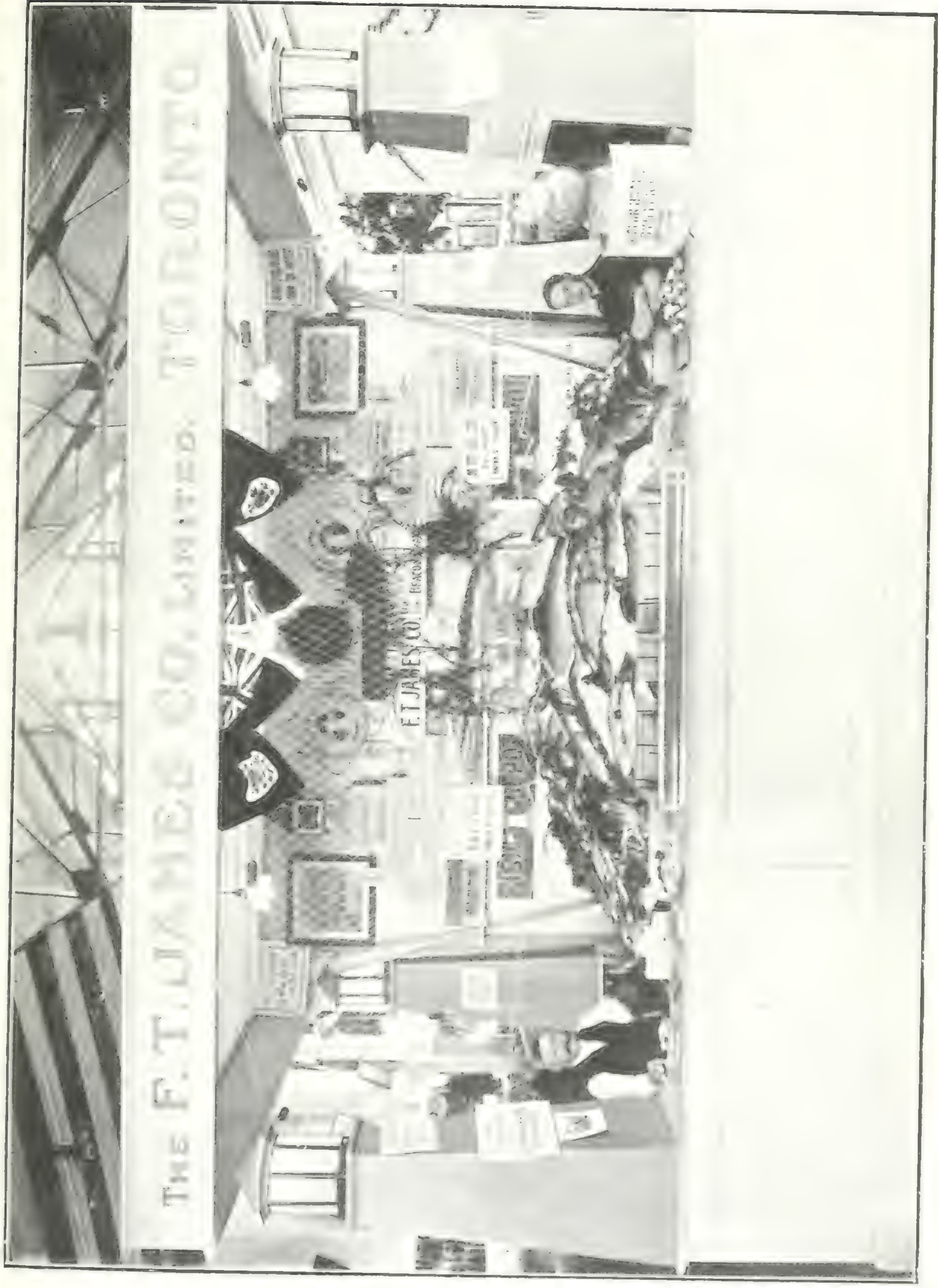
FISHES OF CANADA



A portion of mounted fish exhibit, Toronto Exhibition.



Fisheries exhibit, Toronto Exhibition.



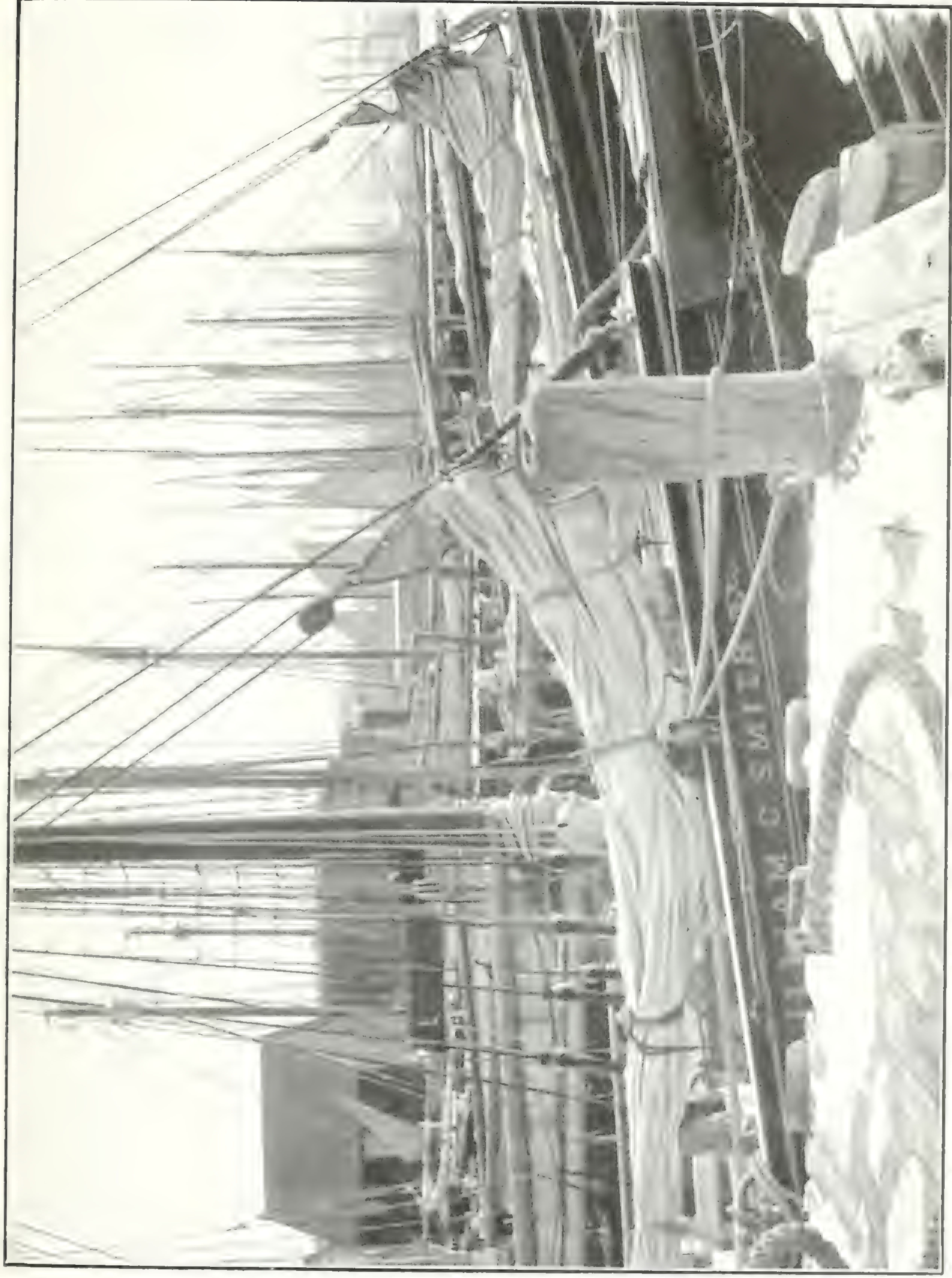
Fisheries exhibit, Toronto Exhibition.



Fisheries exhibit, Toronto Exhibition.



Fisheries exhibit, Toronto Exhibition.



A portion of the Lunenburg fishing fleet.



Hauling in a halibut.



Deep sea fishing —Transferring the fish from the dory
to the schooner.



Deep-sea fishing — Full decks.

APPENDIX No. 1.**NOVA SCOTIA.**

District No. 1.—Comprising the four counties of Cape Breton Island. Inspector, A. G. McLeod, Whitney Pier.

District No. 2.—Comprising the counties of Cumberland, Colchester, Pictou, Antigonish, Guysboro, Halifax and Hants. Inspector R. Hockin, Pictou.

District No. 3.—Comprising the counties of Kings, Annapolis, Digby, Yarmouth, Shelburne, Queens and Lunenburg. Inspector Ward Fisher, Shelburne.

REPORT ON THE FISHERIES OF DISTRICT No. 1.

To the Superintendent of Fisheries,
Ottawa.

SIR,—I have the honour to submit my second annual report as fishery inspector for District No. 1 (the Island of Cape Breton), province of Nova Scotia, for the year ended March 31, 1914, together with tabulated data indicating the quantities and values of fish caught in the four counties, and in the several sections of each county, within this district, the materials used, and the persons employed in these fisheries.

Cape Breton county.—On the whole the fishery in this section of the Island was rather below the average, the lessened catch being due to an extended period of stormy weather, scarcity of bait, and the fact that the fishermen were mostly unable to set their nets on account of the presence of dogfish.

A slight increase in the lobster catch was reported from, and one new cannery was established and put in operation at, Port Morien.

Main-a-Dieu reports indicate a slight increase in the returns from cod and haddock. Dogfish appeared inshore about June 10, and remained on the coast until the latter part of November; because of this pest the mackerel and herring fisheries in this vicinity proved almost a total failure, the fishermen being prevented from putting out their nets. The salmon in this locality showed an increase over that of the previous season. Ten motor boats were added to the fishing fleet at this place.

Bad weather prevailed in the vicinity of Gabarus and occasioned losses to both gear and catch. Five new gasoline boats were added to the fleet operating from this point. A severe storm developed on the evening of May 29, and continued in unabated force until the following midnight. Destruction to fishing gear and property to the extent of \$7,500 resulted. Similarly in June the loss was \$370.

From the Florence station the lobster catch was reported below the average, due to the month of June being too blustery for operations. Cod fishing was satisfactory, herring bait being always available. During the past two years July herring have been a negligible quantity. Four gasoline boats were added to the fleet from this section. At Scatterie island the fishermen had a satisfactory season, the catch being well up to the average and the market price being higher than the 1913. During the severity of the storm the latter part of May about \$500 damage was caused to fishing

	1912-13.	1913-14.
Number of men employed on vessels.....	645	491
Number of boats and smacks	3,757	4,577
Number of persons employed on shore.....	1,170	2,258

The fact that there was an increase in the number of large gasoline-driven craft, gasoline and sail boats, gill nets, seines, trap nets, etc., trawls, hand lines, lobster canneries, freezers and ice houses, smoke and fish houses, and fishing piers and wharfs is clearly indicative that the fishing industry of this district is in a most flourishing condition. Power boats are gradually displacing sailing craft, and more traps, nets and lines are being handled by each individual boat and crew, with the result that under favourable conditions during any season this industry will be prosecuted with greater zeal than formerly.

The total value of the Cape Breton Island fisheries for the season of 1913-14 was \$998,084, as against \$959,492 for the corresponding twelve months of 1912-13, or an increase of \$38,592. Increases are shown in the catches of salmon, cod, herring, mackerel, alewives, halibut, flounders, smelts, swordfish and oysters.

In the earlier part of the season fishermen, as a general rule, are very reticent about giving exact data concerning their catches, whilst at the close of the year they more readily supply any such information sought. In this district steps have already been taken to remedy this, and the fishermen themselves are now showing every disposition to assist the overseers in making full and complete statements covering the fisheries from month to month.

The fact that no fines were imposed during the past year for infractions of the fisheries regulations shows that the overseers had given the closest possible attention to their duties and so prevented violations of the fishery laws. The river guardians have, as a rule, been very faithful in the discharge of their duties, and that very little poaching indeed was done last year is due to the vigilance of those officers.

A matter worthy of note in this report is that the fishermen appear to be taking a more lively interest in their calling, due, doubtless, to the greatly improved market conditions both as to the price secured and the steady demand. The industry, although as hazardous as ever, has of late years become highly profitable, and fewer men are now attracted to the industrial centres. A fishermen's union was organized in Inverness town last year, this action having been stimulated, no doubt, by the prospect of the harbour in that locality being opened up in the immediate future.

HISTORICAL NOTES.

The fisheries along the Cape Breton coast were among the earliest in America developed for commercial purposes. Away back in the early days of the French occupation of this island the local fishery was in a very prosperous condition. The Archives of Coloniales de la Marine, Paris, contain official records of the catch, number of vessels engaged, number of men employed, and the market returns as far back as 1745. These records cover the coast from the Gut of Canso around the southern shore of Louisburg, and to the northeast extremity of the island, in which district 500 shallops and 2,500 men were yearly employed, as well as 60 brigantines, schooners and sloops carrying crews of 15 men each, making a total of 3,400 men then engaged in the industry, substantially a larger number than are to-day employed both on and off shore in the whole Cape Breton Island district.

It was computed by these old time officials that each shallop secured an annual catch of 500 quintals of cod, and the sixty larger vessels 600 quintals each, making a total season's catch of 186,000 quintals. Of course this was practically all codfish. As

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will be seen by the annual returns of the present year the total season's catch of cod for the entire island was 102,796 cwts.

Again, from these ancient records the information is gleaned that it required 93 sail of larger craft, each carrying 2,000 quintals of fish, and having a crew of twenty men each (a total of 1,860 seamen) to transport the year's product to France. Adding the crews of these transport ships gives a total of 5,260 persons directly or indirectly engaged in the Cape Breton fishery. Besides, 200 fishing vessels from France were annually engaged in the bank fishery, each craft having from 16 to 24 of a crew, thus adding 3,000 men more to the industry operating in the waters immediately adjacent. All of these vessels made their headquarters during the fishing season at Cape Breton ports, coming here for shelter, water and supplies.

Another fact adding importance to the Cape Breton Island fisheries in those early days was the disposition of the oil obtained from the cod livers, producing as they then did what was called a train oil, which was sent over to France for use by the manufacturers of woollen goods, for lighting purposes, and also supplied to the French sugar colonies which could not operate their local industry without it.

Much other detail covering the operations of the French fishermen at that time could be given, data showing the number of smaller vessels fishing from Ingonish, Bras d'Or, Ste. Anne's, Scatterie, Baliene, Lorraine, Louisburg, Gabarus, Ste. Esprit, Petit de Grat, and L'Ardoise, but this is sufficient for the present.

Comparisons between that early time fishing industry and the present day prosecution of our home fisheries might well suggest the possibility of a far more intense development of our fishing grounds than actually now obtains.

I am, sir, your obedient servant,

A. G. McLEOD,
Inspector of Fisheries.

REPORT ON THE FISHERIES OF DISTRICT No. 2.

To the Superintendent of Fisheries,
Ottawa.

SIR,—I have the honour to submit my twenty-fourth annual report on the fisheries of District No. 2 of the province of Nova Scotia for the year ended March 31, 1914, together with tabulated statements showing the quantities and values of fish caught in the several counties of the district, and the material used and persons employed in the fisheries.

The aggregate value of the catch for the year is \$2,207,721; as compared with the estimated value of last year's catch, which was \$2,176,181, shows a slight increase of about one and one-half per cent.

Of the deep-sea fish the catch of cod shows an increase of seven per cent; haddock a decrease of about thirty-six per cent; hake an increase of about fifty per cent; pollock a decrease of about thirty-eight per cent; halibut an increase of about sixty per cent. The catch of herring was about the same as last year.

MACKEREL.

I noted in my report last year that the quantity of mackerel caught had been the smallest catch reported since 1890. The returns for this year show an increase over that for last of about sixty per cent; even with this increase it was not up to the average catch of the past twenty-four years.

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There is no fishery subject to greater fluctuations in the quantity caught than this. Some years as many as 118,087 cwts. have been reported as landed in a green state, while the quantity landed in that state this year was 59,225 cwts.

LOBSTERS.

I noted in my report for last year that this fishery has been gradually shrinking in the quantity caught, that while there were 68,252 cases packed and 5,810 cwts. exported in shell in the year 1896, in 1912 only 34,372 cases were packed and 15,141 cwts. shipped in shell.

The reports for this year show a further shrinkage; the quantity packed being 32,873 cases and 11,491 cwts. shipped in shell, or a decrease of about five per cent.

SALMON.

The reported catch is the largest during the past twenty-four years, and shows an increase of about forty per cent over that of last year.

On the Atlantic coast, in the counties of Guysboro and Halifax, the increase was about sixty per cent, while on the strait of Northumberland the increase was about twenty-four per cent.

On the Bay of Fundy division, viz., Cumberland, Colchester and Hants, the returns show a decrease of about ten per cent.

During the time the fish were ascending the rivers for spawning purposes the conditions were favourable as there was a good supply of water.

SHAD.

The reported catch is slightly over that of last year, but there were only 558 cwts. landed in a green state.

Twenty years ago the average catch was 2,000 cwts.

The close season, when these fish are in the rivers for spawning purposes, is only from Friday evening at sunset to sunrise Monday morning. The season should be made to cover the months of May and June.

ALEWIVES.

The quantity taken was about the same as last year, or about 1,200 barrels. This is about one-third of the average catch between the years 1889 and 1899.

SMELTS.

The quantity taken was less than that of last year—a decrease of about thirty-five per cent, largely owing to unfavourable ice conditions during the fishing season.

I am, sir, your obedient servant,

ROBERT HOCKIN,
Inspector of Fisheries.

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REPORT ON THE FISHERIES OF DISTRICT No. 3.

To the Superintendent of Fisheries,
Ottawa.

SIR,—I have the honour to submit the annual statistical report for District No. 3 for the year ended March 31, 1914.

The system for the gathering of the statistics has been greatly improved, particular care being taken to have the catch of the various districts reported regularly.

The statistics show that the general condition of the fisheries has been satisfactory, notwithstanding that the operations of the year were much broken. The great scarcity of ice the latter part of 1913 prevented greater success in the fresh fish trade, and the unusual ice conditions of February and March blocked several of the fishing ports, suspending operations and preventing shipments. These conditions were so unusual that for the first time in many years the Yarmouth-Boston service was suspended for a short time. Heavy gales were frequent the latter part of the season, and caused great loss, the lobstermen, particularly, being heavy sufferers. The shores were strewn with traps and gear. Many of the fishermen lost seventy-five per cent of their traps. At Flat Mud island, Shelburne, the twelve boats lost 1,400 traps in one storm alone. Fully fifty thousand traps were destroyed, and many nets and trawls lost. Three schooners, one sloop and a motor boat were lost in Shelburne county, and many boats damaged throughout the district, and five lives lost. The crew of four of the Lockeport sloop *Dollie Gray*, lost off the Shelburne coast, was saved in an exhausted condition by the American fishing vessel *Mary*, and carried to Boston. It can be seen, therefore, that the operations of the year were extremely hazardous.

On the other hand the statistics show that the year has been a prosperous one in many respects. Fish have been plentiful, and prices have run the gamut from the lowest for some years to the highest known for fresh fish. The market has been fitful, often ranging above Boston and Gloucester prices. The ports of Lockeport, Yarmouth and Digby had a greatly increased business.

The total marketed value of the catch, including by-products, was \$5,091,821, as compared with \$4,292,657 the preceding year, being an increase of \$799,164. The following summary may, perhaps, be of value:—

LOBSTERS.

The total lobster catch was 157,577 cwts., an increase of 28,355 cwts. over the previous year. The counties reporting increases are Lunenburg, Queens, Shelburne, Yarmouth, Annapolis, and Kings. Digby reports a decrease. The total value of the marketed catch was \$1,880,111, as compared with \$1,394,273 the preceding year, an increase of \$485,838. Canned increased from 29,269 cases to 35,194 cases, with a marketed value of \$739,074. Shipped in shell increased from 56,141 cwts. to 69,597 cwts., with a marketed value of \$1,141,037. Notwithstanding the increased catch over the preceding year, the shortage as compared with 1911-12 is 17,733 cwts.

The industry was more vigorously prosecuted than in any previous year. The season on the south shore opened under most favourable conditions and a record catch was secured. The latter part of the season generally was disastrous, many of the fishermen hardly paying expenses. Catch prices were high. "Shack," for packing purposes, ranged from 8½ cents per pound on the south shore to 10 cents in Digby. The marketed price secured for canned goods was higher than in previous years. These high prices have developed a system of adulteration that must seriously affect the market standard of the pack. In some instances the percentage of water added

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to the meat is fully 50 per cent. Regulations are needed to meet the situation. A large proportion of the catch for packing purposes is of lobsters less than seven inches in length, and the meat does not pay the expense for packing full weight meat.

COD AND HADDOCK.

The total catch of cod and haddock was 930,195 cwts., as compared with 928,975 cwts. the preceding year, an increase of 1,220 cwts. Cod increased 20,038 cwts., and haddock decreased 18,818 cwts. The marketed value of the catch was: Cod, \$1,404,826; haddock, \$512,043; making a total of \$1,916,869, as compared with \$1,810,310 the preceding year. The increase in price, notwithstanding the decrease in catch, is due to the great development of the smoked fish business in Digby county, where 2,550,900 pounds finnan haddies and 415,980 pounds smoked fillets were put up. In Shelburne and Digby counties a considerable pack of canned finnan haddies is put up. The Digby smoked fish business is especially noteworthy, not only on account of its great growth, but also for the high prices paid the fishermen for the catch. This specially prepared product finds a ready market in Montreal and other western points.

The counties showing increased catches were Yarmouth, Kings, Annapolis, and Digby.

HERRING.

The catch of herring was 220,361 cwts., with a marketed value of \$262,195, as compared with 218,105 cwts. and \$281,644 the preceding year. Digby and Annapolis counties show a decreased catch of nearly 50 per cent, while the only two counties showing increases were Lunenburg and Queens.

During the past three years herring has practically disappeared, and for the first time no smoked herring is reported in the statistics. For the four years 1906-1910 the average quantity of smoked herring reported was over 14,000 cwts. In 1911-12 the business dropped to 3,694 cwts., and since that time the famous "Digby Chicken" has disappeared. For the same period the total catch for Digby averaged 54,000 cwts., as compared with an average of 3,450 the past three years.

The decrease in the herring catch is a matter for serious consideration, as the success of the fresh fish business depends largely on the supply of fresh herring bait. When this bait is not available the boats and vessels are unable to continue fishing. On the south shore where the run is great and the fish of the largest and finest quality, it is to be deplored that the fishing as a staple industry has been neglected. Little provision is made for the systematic prosecution of the industry, doubtless due to the small returns for pickled herring. The catch could be very greatly increased if a satisfactory market were available. Net fishermen depend largely on selling the catch direct to the vessels seeking bait. If vessels do not happen on the grounds the catch is sold to cold storage concerns at 25 to 30 cents per bushel, and if no cold storage is within convenient distance, the business is fitful and wasteful. The matter of bait supply is becoming more acute each year. The past year unlimited quantities could have been taken in Yarmouth county, but there was no market, except when a vessel was in the district for bait. It is probable that unless action is taken to increase the market value for pickled fish this fishery will continue to be neglected. Better curing methods, with a more suitable barrel, and efficient inspection is greatly needed.

MACKEREL.

The total catch was 66,610 cwts., with a marketed value of \$365,203, as compared with 45,263 cwts. and \$235,533 the preceding year, an increase of 21,347 cwts. and \$129,670. Lunenburg and Digby counties show an increased catch, while there is a decrease in the catch reported from Shelburne county. On several occasions the mackerel were extraordinarily plentiful in Yarmouth, but of small size.

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HAKE AND CUSK.

The total catch was 203,838 cwts., with a marketed value of \$308,019, as compared with 167,998 cwts. and \$208,771 the preceding year. The big catch of the Lunenburg banking fleet, the spring trip having a large proportion of hake and cusk, is chiefly accountable for this increase. Digby shows a substantial increase. This fish is prepared principally for southern markets, being shipped dried.

POLLOCK.

The catch of pollock was 54,073 cwts. as against 55,144 cwts. the preceding year. Kings and Shelburne counties show an increase in the catch. The marketed value of the catch was \$78,605, as compared with \$67,184 the preceding year.

CANNED FISH.

The canned fish business is gradually developing. In Digby, 6,947 cases of finnan haddie, 2,013 cases kippered herring, 1,591 cases herring prepared with tomato sauce, and 450 cases mackerel. In Shelburne county and other points a considerable pack of specially prepared canned fish, including a fine quality of halibut, finds ready sale. Albacore, until several years ago a refuse fish, has been canned, and found an appreciative market. The canned fish business needs to be safeguarded by suitable regulations and inspection.

It may be noted that albacore, frequently caught in considerable numbers in mackerel and herring traps, are shipped to the New York markets, netting as high as nine cents per pound. These fish average about 600 pounds in weight each.

MEN AND PROPERTY.

The total number of men directly employed was 14,330, an increase of 877 as compared with the preceding year. Lunenburg reports a much greater number of men employed on vessels and boats than in the preceding year.

The value of vessels, boats, gear and other property is \$4,066,791, as compared with \$3,818,163 reported last year, an increase of \$248,628. The number of gasoline boats under 10 tons is 2,027, valued at \$511,990. The increase in number is 331 and in value, \$77,310. For small boat fishing Lunenburg depends largely on the fine fleet of 1,243 sail boats, and employs only 58 gasoline boats. In other districts, however, the gasoline boats are in great demand.

The number of lobster traps reached the enormous total of 328,472, an increase of 18,692 over the preceding year. The number of traps have greatly increased each year since 1906, when only 160,147 were reported. The increase is accounted for by the growing scarcity of the fish, taking twice the number of traps, and many more fishermen, with greater labour and risk, to catch the quantity caught in former years.

PATROL SYSTEM.

The past year the patrol boat system has been very successful and of great value to the lobster industry. Boat "A" in Digby county and boat "B" in Yarmouth county, together with a number of smaller boats, covering the other districts, prevented much of the lobster poaching prevalent in former years. The risk of detection, carrying with it the loss of catch and gear, and prosecution of offenders, tended greatly to discourage many from attempting any poaching. As evidence of the success of the patrol system, the shipments from Yarmouth to the American markets for the first three days of the open season amounted to only 195 crates, and there is every reason to believe that these shipments were all legally caught fish. In 1911, the last year before the inauguration of the patrol system, 2,500 crates were shipped the first four

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days, the first shipment two days after the season opened being 1,400 crates. It is evident that the close season laws were well observed. In only one district of the seven western counties were traps put out before the morning of the opening day of the season. As the season opened on Monday, some of the fishermen in the district put out their traps on Saturday, only to have about 300 destroyed by one of the patrol boats. It should be said that the fishermen are highly pleased with the successful enforcement of the close season laws, and are actively supporting the officers in suppressing violations. Desultory summer fishing will doubtless continue, as the tourist and hotel trade offer inducements of the most tempting kind.

The fishery officers and men in charge of patrol boats gave ample evidence of zeal and resourcefulness.

RIVER AND INLAND FISHERIES.

The value of the river and inland fisheries cannot be estimated from a study of the statistics. Only 635 cwts. of trout is reported, valued at \$8,985, and 1,360 cwts. of salmon with a marketed value of \$26,458. As trout are not exported for sale, it is impossible to secure statistics of any value. Vast quantities are taken in practically every county in the district. Thousands of visiting anglers fish the waters each year, besides great numbers of native sportsmen. The waters of Queens alone are fished annually by some 3,000 visiting sportsmen. In Kings the salmon catch shows a decrease, due chiefly to the small size of the fish as compared with former years. In Annapolis, notwithstanding that netting was prohibited, the salmon catch was four-fold that of the preceding year. The high water in the rivers last spring, and the exceptionally low waters of the summer months, interfered with the fishermen. Great quantities of alewives and salmon went up during the high water. Some of the rivers have been alive the present year with "slink" salmon, coming from the spawning grounds.

The importance of safeguarding and developing the river fisheries cannot be too strongly pressed. The coast is most advantageously situated, and possesses a remarkable system of bays, rivers and lakes, constituting most valuable fish breeding grounds. For years past the general conditions have been bad. The pollution of the rivers and streams from sawdust and other mill refuse has been universal. Many of the best rivers have been closed to fish ascending to the spawning grounds.

For the past several years efforts have been made to improve conditions and save a most valuable asset to the people. During the past year much pollution has been prevented and the following results achieved in the way of direct improvements:—

LUNENBURG COUNTY.

One hundred dollars was expended in the removal of obstructions from the West branch of East river. Thorough work was done, and the river is now in good condition.

On the Gold river, a fish pass has been installed in the Mosher's falls dam of the Kent Lumber Company. This pass will be improved by making the lower section removable for safety during the winter months, otherwise ice conditions would destroy it.

One hundred dollars was granted for removing obstructions from Martin's river, and the completion of a fish pass at the Ezekiel Langille dam. The obstructions were removed at a cost of \$31.58. The forest fires of the summer of 1913 destroyed the Langille mill, which will not be rebuilt. A wide opening has been made in the dam with the owner's consent, and therefore there was no need of any further expenditure.

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The fish-pass at the dam of W. B. Langille & Co. has been made efficient, and a tight floor laid in the mill to prevent sawdust pollution.

Fifty dollars was expended in removing obstructions from the stream running into Common lake.

On the Mush-a-mush river, Mr. T. G. Nicol has installed a fish-pass at the Robar dam. Mr. Edward Ernst has taken the advice of the fishery officer, and will construct a natural fish-pass round the end of his dam, instead of installing a Hockin pass. Timothy Spidell has completed the improvements in connection with the dam owned by him. The entrance to Big lake has also been improved. There should be little difficulty in fish having free access to the lakes at the head of this river.

One hundred and nine dollars and eighty cents was expended in removing obstructions from Jodrey falls, and one hundred dollars was granted for removing obstructions from New Germany lake. The conditions in respect to these two expenditures were the same. Blasting was necessary to make the falls passable. The ascents to the spawning grounds were choked with rubbish.

The conditions on the La Have river and branches have been much improved. On this fine river the regulations were flagrantly violated. The Davidson Lumber Company have repaired the fish-passes at the two dams in the district of Bridgewater. The sawdust and other pollutions have been somewhat improved and the company has promised to erect a burner to take care of the refuse.

The Mackie mill and dam, at Upper Northfield, on the Keddy river, a branch of the La Have, has been put in good condition by the installation of a fish-pass, and provision for the care of mill refuse.

QUEENS COUNTY.

The Medway river district, above tidal waters, is in good condition. Two hundred dollars has been expended in removing fourteen piers, greatly improving the river and facilitating the ascent of fish.

The Mersey river for years has been in a deplorable condition. The salmon were becoming very scarce, as it was impossible for the fish to ascend the river. The fish-pass in the first dam was obsolete, and broken down, and on the wrong side of the river. A new pass has been installed on the west side of the river, and a new sluice gate built, which can be operated in favour of the fisheries. The cost to the mill owners was \$268. At the second dam, situated at Potonac falls, the fish-pass has been extended and repaired, and the dam put in condition to assist fish-pass efficiency. At the third dam, situated at Cowies falls, there is a good natural pass, constructed by the Department some few years since at a cost of \$1,100. This was the only pass in condition on the river, but was of no value, as the three dams below were closed. The fourth pass, situated at Rapid falls, has been repaired, but is not satisfactory. A new pass will be constructed the coming summer. At the fifth dam, situated at the "Guzzle," a sufficient opening has been made to provide free passage for fish. The river has been greatly improved.

SHELBURNE COUNTY.

Seventy-eight dollars and thirty cents was expended in improving the fish-pass at the Bower dam, and a portion of a grant of \$60 has been expended in the removal of obstructions from the river.

One hundred dollars has been expended in removing obstructions from Round Bay brook. Also a considerable sum has been expended by the Public Works Department in improving the shore entrance to the brook.

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One hundred dollars has been expended in removing obstructions from Purneys brook. This will give free access from Jordan bay and river to the lake at the head of the brook.

Jordan river has been improved by the installation of two fish-passes in the dam owned by Miller Bros., and provision made at the two new upper dams for the free passage of fish.

At Little Harbour a considerable expenditure has been made by the Public Works Department opening the canal from the sea to Matthews lake. In former years this lake was the spawning grounds for great quantities of trout, gaspereau and bass. This lake is one of the few known places in the province where bass has been abundant. For some few years, however, it was not accessible, and the appearance of the bass has not been noteworthy.

On the Clyde river a pass has been provided in the dam of the Pulp Company at "Queens." Much difficulty has been found in keeping this pass open.

YARMOUTH COUNTY.

A Hockin fish-pass has been installed in the dam of the Yarmouth Electric Light Company at Carleton, and in the Adolphus Pothier dam at Herring brook, and in the Maurice Prosser dam on the Tusket river at Kemptville. The Department paid one-half the cost of this latter pass, amounting to \$84.90. The pass in the Howard Crosby dam at Carleton has been rebuilt.

One hundred dollars was expended in removing obstructions from the Salmon river. A channel ten feet wide, from tidal waters to Harpers lake, a distance of about seven miles, was cleared.

A number of the residents, under Guardian Sweeney, voluntarily cleared a valuable branch of the Tusket river from obstructions existing for many years.

DIGBY COUNTY.

A dam closed for twenty years at Salmon River lake, Maxwellton, has been opened, with the result that large quantities of alewives and other fish have access to the lake. The dam at Corberrie has also been opened.

The conditions on the Salmon river, in connection with the eel-weir obstructions, have been considerably improved, in that the fishermen below the upper stone wall and dam will have a better opportunity of catching fish. Guardian Aymar has succeeded in carrying out instructions sufficiently to provide a fairly satisfactory condition.

The Campbell Lumber Company at Weymouth has built an abutment at the end of the canal from the mill to the river and will use the canal bottom for retaining the ground pulp waste. Complaints were made, not only in respect to the pollution of the water from this waste, but also on account of the waste filling the nets of the fishermen.

ANNAPOLIS COUNTY.

A fine fish-pass has been constructed around the dam of the Annapolis Electric Light Company on the Lequille river.

A canal has been cut from the Dargie dam to the main branch of the Lequille river, which has greatly improved the conditions, and the dam at Alpena, owned by the Davidson Lumber Company, has been opened. An opening has also been made in the dam at Lake Mulgrave, owned by Clark Bros. of Bear River.

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KINGS COUNTY.

The rivers and streams in this county were in very bad condition, but have been greatly improved during the year. The only improvement on the Gaspereau river has been the partially completed fish-pass at White Rock dam. During the summer an opening was made in the dam for temporary use. The pass will be completed in the spring. At the dam at large lake, about five miles above White Rock, a passage was made at the west side of the dam. The young fish came through without injury.

The conditions on the Creamer river at Millville, and on the Fales river, and on the Cornwallis river, and on the Pines brook at Waterville, in respect to sawdust pollution, have greatly improved.

I am, sir, your obedient servant,

WARD FISHER,
Inspector of Fisheries.

RETURN showing the Number of Fishermen, etc., the Number and Value of Vessels,
Industry in the County of **Richmond**, Province

Number.	Fishing Districts.	Vessels, Boats and Carrying Smacks.												
		Sailing and Gasolene Vessels.					Boats.					Carrying Smacks.		
		(40 tons and over).	(20 to 40 tons).	(10 to 20 tons).	Value.	Men.	Sail.	Value.	Gasolene.	Value.	Men.	Number.	Value.	Men.
		No.	No.	No.	\$			\$		\$			\$	
	<i>Richmond County.</i>													
1	Fourchu, Framboise and vi- cinity						160	3500	9	2900	273	6	3200	12
2	Grand River and vicinity...						128	2250	7	2350	160	2	900	3
3	Point Michaud and L'Ar- doise			2	1600	7	372	16950	8	2800	370	2	500	4
4	Rockdale and Grand Grève...						150	5700	2	900	200	2	700	2
5	St. Peter's and River Bour- geois	2	3	5	11700	71	42	500	6	2100	82	7	1500	16
6	Louisdale and River Inha- bitants		1		600	3	24	226			48			
7	Ports Malcolm and Richmond.						20	240			40			
8	West Bay						7	70			14			
9	Ile Madame	3	6	10	10800	116	313	3680	20	4800	358	8	750	13
	Totals	5	10	17	24700	197	1216	33116	52	15850	1545	27	7550	50

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Boats, and the Quantity and Value of all Fishing Gear, etc., used in the Fishing of Nova Scotia, during the Year 1913-14.

Fishing Gear.										Can- neries.	Other Material.								Persons employed in Can- neries, Freezers and Fish Houses.	Number.
Gill Nets, Seines, Trap & Smelt Nets.		Weirs.		Trawls.		Hand Lines.		Lobster Traps.		Lobster Can- neries.	Freezers and Ice Houses.	Smoke and Fish Houses.		Fishing Piers and Wharves						
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.					
	\$		\$		\$		\$		\$		\$		\$		\$					
210	1680	...	...	...	...	180	72	13500	5550	2	3000	...	22	800	6	1200	100	1
580	4650	...	...	...	...	105	42	3400	1700	1	1000	...	30	1000	2	284	65	2
2800	22400	...	...	17	155	740	296	4050	4050	1	1200	...	140	5340	6	1110	440	3
1100	1800	...	...	4	35	290	116	4800	3500	1	1120	...	35	1200	3	376	150	4
50	350	75	280	140	67	2150	1075	1	1000	1	2650	26	4000	3	7550	35	5	
90	720	2	20	...	...	20	10	...	...	...	...	2	130	1	100	...	...	6
30	240	...	...	...	...	...	...	...	...	...	...	3	10	...	...	...	...	7
10	50	...	...	10	40	20	10	...	...	...	...	...	...	...	...	...	...	8
2694	13550	795	3975	520	260	9850	9850	6	2300	3	750	155	1850	31	11100	165	9	
7565	46740	2	20	901	4485	2015	873	37750	25725	12	9620	4	3400	413	14410	52	21720	955		

RETURN showing the Number of Fishermen, etc, the Number and Value of Vessels Industry in the County of **Cape Breton**, Province

Number.	Fishing districts.	Vessels, Boats and Carrying Smacks.											Fishing		
		Sailing and Gasolene Vessels.				Boats.					Carrying Smacks.			Gill Nets, Seines, Trap and Smelt Nets, etc.	
		20 to 40 tons	10 to 20 tons	Value.	Men.	Sail.	Value.	Gasolene.	Value.	Men.	Number.	Value.	Men.	Number.	Value.
		No.	No.	\$			\$		\$			\$			\$
1	Sydney Glace-Bay, Lingan and vicinity					82	2780	3	650	136	4	1100	7	122	840
2	Louisburg and vicinity					83	3790	2	600	120	3	1700	7	235	1645
3	Upper North Sydney, Long Island and Leitches Creek					16	235			32				32	160
4	Port Morien and vicinity		1	250	3	29	810	31	7130	112	7	4350	14	493	3959
5	Main-à-Dieu and vicinity		3	1300	12	50	2000	20	4000	140	5	2500	10	366	2928
6	Gabarus and vicinity		1	500	5	101	6060	8	2400	267	6	4800	14	396	3500
7	Scatarie Island.					20	1640	13	3250	48				120	900
8	Little Bras d'Or District	2	6	1850	30	72	1120	5	750	96	1	500	2	228	1100
	Totals	2	11	3900	50	453	18435	82	18780	951	26	14950	54	1992	15032

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and Boats, and the Quantity and Value of all Fishing Gear, etc., used in the Fishing of Nova Scotia, during the Year 1913-14.

Gear.						Canneries.		Other Material.						Persons employed in Canneries, Freezers and Fish-houses.	Number.
Trawls.		Hand Lines.		Lobster Traps.		Lobster Canneries.		Freezers and Ice- houses.		Smoke and Fish-houses.		Fishing Piers and Wharves.			
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		
	¢		¢		¢		¢		¢		¢		¢		
48	240	150	75	5800	5800	2	2300	.....	.....	.....	.....	4	450	52	1
50	250	190	95	4800	4425	2	3200	.....	.....	.....	.....	6	1050	39	2
14	140	40	20	.....	.....	.....	.....	.....	.....	2	3000	.....	.....	10	3
29	290	205	200	8150	10187	4	5200	.....	.....	.....	.....	6	300	55	4
150	500	300	300	6000	6000	2	3000	.....	.....	70	2100	10	1000	190	5
.....	.....	130	65	13740	8740	4	5800	.....	.....	25	500	5	640	66	6
20	200	150	60	1200	720	1	600	.....	.....	20	200	.....	.....	13	7
94	282	230	115	3050	3800	1	1500	1	2000	40	1000	25	1290	36	8
405	1902	1395	930	42740	39672	16	21600	1	2000	157	6800	56	4730	461	

RETURN showing the Number of Fishermen, etc., the Number and Value of Vessels and Industry in the County of **Victoria**, Province of

Number.	Fishing Districts.	Vessels, Boats and Carrying Smacks.										Gill Nets, Seines, Trap and Smelt Nets, etc.		
		Sailing and Gasoline Vessels.			Boats.					Carrying Smacks.				
		10 to 20 tons.		Men.	Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Men.		
		No.	\$										\$	\$
	<i>Victoria County.</i>													
1	Iona, Washabuck & Little Narrows ..				66	1720	2	300	14				101	909
2	Wreck Cove to Cape Smokey				40	800	2	300	40				120	1200
3	Breton Cove and vicinity to English-town				70	1400	5	750	120				158	3500
4	Baddeck and vicinity				5	125			5				20	200
5	Ingonish	12	9600	60	118	10960	10	4625	275				316	8100
6	Neil's Harbour and New Haven				88	5192	4	900	116	2	500	4	152	2900
7	White Point, Dingwall & Sugar Loaf ..	2	1000	3	49	1225	4	900	80	2	250	4	149	2670
8	Meat Cove, Bay St. Lawrence and vicinity				53	1060	3	450	96	4	600	8	100	1500
9	Big Bras D'Or District				4	80	2	200	6				6	48
	Totals.....	14	10600	63	493	22562	32	8425	837	8	1350	16	1122	21027

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Boats, and the Quantity and Value of all Fishing Gear, etc., used in the Fishing Nova Scotia, during the Year 1913-14.

Fishing Gear.						Canneries.	Other Material.						Persons employed in Canneries, Freezers and Fish-Houses.	Number.	
Trawls.		Hand Lines.		Lobster Traps.		Lobster Canneries.	Freezers and Ice-houses.		Smoke and Fish- houses.		Fishing Piers and Wharves.				
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.			Value.
%	%	%	%	%	%	%	%	%	%	%	%	%			%
92	368	138	69	180	144	...	...	...	...	...	...	...	...	1
20	200	200	100	700	700	1	400	...	...	18	720	...	...	2
30	300	300	150	3400	3400	2	1000	3	365	120	4809	1	3800	3	
5	40	6	18	...	...	...	...	...	...	...	...	...	...	4
568	3976	136	115	3000	1500	5	1300	6	4150	29	9250	13	80950	5	
40	600	390	390	3725	3725	7	2550	1	800	35	4400	3	2800	6	
29	290	237	237	4300	4300	3	1900	2	600	13	3600	11	2600	7	
18	216	192	192	5000	5000	2	2500	3	600	12	2400	...	...	8
6	30	12	6	...	...	...	...	...	...	...	...	...	...	9
808	6020	1611	1277	20305	18769	20	9650	15	6515	227	25170	28	90150	378	

RETURN showing the Number of Fishermen, etc., the Number and Value of Vessels and Industry in the County of **Inverness**, Province

Number.	Fishing Districts.	Vessels, Boats and Carrying Smacks.											Fishing	
		Sailing and Gasoline Vessels.					Boats.					Carrying Smacks.	Gill Nets, Seines, Trap and Smelts Nets, etc.	
		(40 tons and over.)	(20 to 40 tons.)	(10 to 20 tons.)	Value.	Men.	Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Men.
		No.	No.	No.	\$			\$		\$			\$	
1	Meat Cove, Poulet Cove and Pleasant Bay						4	40	21	2505	48			
2	Cap Rouge, Eastern Harbour, Cheticamp and Grand Etang	1	3	28	17000	159	67	3696	15	3010	204			
3	Friar's Head, Margaree Harbour to Smith's Cove		4		3600	16	160	8426	24	6110	406	6	1100	6
4	Broad Cove, Port Ban to Mabou Harbour						34	884	14	2100	121	1	180	2
5	West Lake Ainslie and Whycocomah Bay						25	500			40			
6	Little Mabou and Port Hood to Hawkesbury...			1	500	6			100	20000	175	7	2000	10
7	West Bay, Malagawatch and Deny's Basin.						108	1400			112			
	Totals	1	7	29	21100	181	398	14946	174	33725	1106	14	3280	18

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Boats, and the Quantity and Value of all Fishing Gear, etc., used in the Fishing of Nova Scotia, during the Year 1913-14.

Gear.						Canneries.		Other Material.						Persons Employed in Canneries, Freezers and Fish-houses.
Trawls.		Hand Lines.		Lobster Traps.		Salmon Canneries.		Freezers and Ice-houses.		Smoke and Fish-houses.		Piers and Wharves.		
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		Number.
	£		£		£		£		£		£		£	
1	10	56	56	3950	1975	2	1600	6	180	11	130	..	..	25
32	800	618	371	12792	10910	8	5150	5	2625	16	5300	14	10300	160
1120	5600	1515	1680	5900	5575	5	1150	4	3100	14	2910	67	6120	54
5	50	363	363	4500	4500	1	2500	..	..	..	..	3	14000	25
..	..	32	32	..	..	..	..	..	..	..	..	..	..	5
100	2000	200	200	3000	4500	6	6000	4	262500	..	..	7	35000	200
98	98	235	70	..	..	..	..	..	..	14	152	4	40	..
1356	8558	3019	2772	30142	27460	22	16400	19	267805	55	8492	95	65460	464

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State in the County of Richmond, Province of Nova Scotia, during the Year 1913-14.

Number.	Fishing Districts.	Salmon, cwts. *	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake and cusk, cwts.	Hake and cusk, value.	Pollock, cwts.	Pollock, value.	Herring, cwts.	Herring, value.	Mackerel, cwts.	Mackerel, value.	Shad, cwts.	Shad, value.	Alwives, cwts.	Alwives, value.	Number.
<i>Richmond County.</i>																						
1	Fourchu, Francoise and vicinity			3102	21341	1768	2652	64	77			33	33	24	31	261	795					1
2	Grand River and vicinity	30	270	926	6370	163	244	6	7			9	9	54	70	483	1455					2
3	Point Michaud and L'Ardoise	17	153	72	495	5851	8777	4899	5879			843	843	2098	2727	3989	12020					3
4	Rockdale and Grand Grève			920	6329	468	702	468	562			93	93	1749	2274	2587	7795			3		4
5	St. Peters and River Bourgeois			635	3175	8600	12900	100	150			10	10	100	120	100	200					5
6	Louisdale and River in habitants					340	340					88	88	600	600	500	1000					6
7	Ports Malcolm and Richmond					150	100							400	400	700	2840					7
8	West Bay					440	660							10	10							8
9	Île Madame	76	761	3290	16450	9155	9155	19316	24145	1793	1142	364	182	1390	1390	1047	6749					9
	Totals	123	1184	8945	54160	26935	35530	24853	30820	1793	1142	1440	1258	6425	7622	9670	32854			3		3

Cwt = 100 lbs.

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THE CATCH.

RETURNS showing the Quantities and Values of all Fish caught and landed in a Green State in the County of Richmond, Province of Nova Scotia, during the Year 1913-14. *Concluded.*

Number.	Fishing Districts.	Haddock, cwts.	Haddock, value.	Flounders, cwts.	Flounders, value.	Squid, cwts.	Squid, value.	Trout, cwts.	Trout, value.	Eels, cwts.	Eels, value.	Tongue, cwts.	Tongue, value.	Sweetfish, cwts.	Sweetfish, value.	Mixed fish, cwts.	Mixed fish, value.	Squid, brls.	Squid, value.	Clams, brls.	Clams, value.	Number.	
1	Richmond County. Fouchu, Framboise and vicinity.....	12	60										\$								70	210	1
2	Grand River and vicinity....																				2	6	2
3	Point Michaud and L'Ardois.....	70	350											179	358			25	75			3	
4	Rockdale and Grande Grève	8	40											68	136							4	
5	St. Peters and River Bourgeois.....					70	420									20	20	10	20	10	20	5	
6	Louisdale and River Inhabitants.....					200	1200			80	160											6	
7	Port Malcolm and Richmond.....																						7
8	West Bay.....																						8
9	Ile Madame.....	12	80	51	26	150	900							730	2478			145	290			9	
	Totals.....	102	530	51	26	420	2520			80	160			977	2972	20	20	180	385	82	236		

* Cwts. 100 lbs.

THE CATCH MARKETING.
RETURN showing the Quantities and Value of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state for the County of Richmond, Province of Nova Scotia, during the year 1913-14.

Number.	Fishing Districts.	Salmon, used fresh and frozen, cwt.	Salmon, canned, cases.	Salmon, salted, cwt.	Lobsters, canned, cases.	Lobsters, shipped in shell, cwt.	Cod, used fresh, cwt.	Cod, shipped green, salted, cwt.	Cod, dried, 4 qts.	Haddock, used fresh, cwt.	Haddock, smoked, cwt.	Haddock, dried, quintals.	Hake and cusk, used fresh, cwt.	Hake and cusk, dried, quintals.	Pollock, used fresh, cwt.	Pollock, dried, quintals.	Herring, used fresh, cwt.	Herring, smoked, cwt.	Number.
<i>Richmond County.</i>																			
1	Fourey, Framboise and vicinity.				1142	247		113	514	4		20				11			1
2	Grand River and vic- inity.	30			352	46	1		24			2				3			2
3	Point Michaud and L'Ardoise.	17			29		4		1949	6		1631				281			3
4	Rockdale and Grand Greve.				368		183		95	6		154				31	276		4
5	St. Peter's and River Bourgeois.				254		7		2867			33			10		30		5
6	Louisdale and River In- habitants.						1		113							30	20		6
7	Port Richmond and Malcolm.						1		50										7
8	West Bay.				1304	30	419		1488	12791		2175	983	241		121			8
9	Île Madame.	76					3291	700											9
	Totals.	123			3449	323	3907	813	7137	12807		4015	983	241	10	477	326		
	Rates.	\$ 10 00			18 00	10 00	1 50	2 50	5 50	2 00		4 50	1 00	3 00	1 00	4 00	1 00		
	Values.	\$ 1230			62082	3230	5860	2032	39253	25614		18067	983	723	10	1908	326		

*Cwt. = 100 lbs. †Quintals = 112 lbs.

SESSIONAL PAPER No. 39

THE CATCH MARKETED

Return showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state, for the County of Richmond, Province of Nova Scotia, during the year 1913-14. *Concluded.*

Number.	Fishing Districts.	Herring, pickled, bbls.	Herring, used as bait, bbls.	Herring, used as fertilizer, bbls.	Mackerel, used fresh, cwt.*	Mackerel, salted, bbls.	Alwives, used fresh, cwt.	Halibut, used fresh, cwt.	Flounders, used fresh, cwt.	Smelts, used fresh, cwt.	Pels, used fresh, cwt.	Tom-cod, used fresh, cwt.	Swordfish, used fresh, cwt.	Mixed fish, used fresh, cwt.	Squid, used as bait, bbls.	Chams and guano, used fresh, bbls.	Tongues and sounds, pickled, and dried, cwt.	Fish oil, gals.	Number.
1	Fourchu, Framboise and vicinity.	7	1			88		12								70		350	1
2	Grand River and vicinity.	14	6			161										2		21	2
3	Point Michaud and L'Ardoise.	551	222		875	1038		70					179		25			1350	3
4	Rockdale, and Grand Grève.	462	43		1906	229		8					68					79	4
5	St. Peter's and River Bourgeois.	24	125		380	43				70				20	10			1500	5
6	Louisdale and River In habitants.	100	15		260	77				200	80							50	6
7	Port Richmond and Malcolm.	101			210	30													7
8	Bay West.		42															60	8
9	Île Madame.	350	168		817	85		12	51	150			730		145				9
	Totals.	1609	632		4442	1751		3	102	51	420	80	977	20	180	82		3410	
	Rates.	4 50	2 50		5 00	11 00		2 00	7 00	1 00	6 00	2 00	4 00	1 00	3 00	3 00		30	
	Values.	7240	1580		22210	19261		6	714	51	2520	160	3908	20	540	246		1023	

Total value..... \$220,797

*Cwt., 100 lbs.

THE

RETURN showing the Quantities and Values of all Fish caught and landed in a
the year

Number.	Fishing Districts.	Salmon, cwts.	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake and Cusk, cwts.	Hake and Cusk, value.	Pollock, cwts.	Pollock, value.
	<i>Cape Breton County.</i>	%	%	%	%	%	%	%	%	%	%	%	%
1	Sydney, Glace Bay, Lingan and vicinity.....			2170	13020	1440	2160						
2	Louisburg and vicinity.....	18	180	2712	16272	5490	8235	2520	2520			214	175
3	Upper North Sydney, Long Island and Leitches Creek.....					510	1530						
4	Port Morien and vicinity.....	80	880	4065	24390	425	1104	11	25			3	3
5	Main-à-Dieu and vicinity.....	154	1625	4166	24996	5115	5445	2902	3607			246	295
6	Gabarus and vicinity.....			2617	15882	2975	5504	800	800			685	685
7	Scatarie Island.....	12	129	617	3702	2561	4899	617	963			57	74
8	Little Bras-d'Or District.....	17	177	2775	16650	7533	15066	1100	1650	12	18	367	550
	Totals.....	281	2991	19152	114912	26379	43913	7950	9565	12	18	1572	1782

*Cwt.—100 lbs.

SESSIONAL PAPER No. 39

CATCH.

Green State in the County of Cape Breton, Province of Nova Scotia, during 1913-14.

Herring, cwts.	Herring, value.	Mackerel, cwts.	Mackerel, value.	Shad, cwts.	Shad, value.	Alewives, cwts.	Alewives, value.	Halibut, cwts.	Halibut, value.	Smelts, cwts.	Smelts, value.	Sword-fish, cwts.	Sword-fish, value.	Squid, brls.	Squid, value.	Oysters, brls.	Oysters, value.	Number.
	¢		¢		¢		¢		¢		¢		¢		¢		¢	
4700	2250	39	117							21	105	40	160					1
2135	1067	3564	10692															2
568	410																	3
2741	4116	37	216					37	259	30	300					5	20	4
1550	1550	525	1595	46	230	24	24	79	454			4	16	9	36			5
3940	3940	1600	4800			4	4	12	60	73	292							6
184	184	110	689					103	581			51	138	20	69			7
3742	7251	152	304					219	2106			26	104					8
19363	20768	6027	18413	46	230	28	28	450	3460	124	697	121	418	29	105	5	20	

THE CATCH MAKED.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state for the County of Cape Breton, Province of Nova Scotia, during the year 1913-14.

Number.	Fishing Districts.	Salmon, used fresh and frozen, * cwt.	Lobsters, canned, cases.	Lobsters, shipped in shell, cwt.	Cod, used fresh, cwt.	Cod, shipped green salted, cwt.	Cod, dried, † qts.	Haddock, used fresh, cwt.	Haddock, smoked, cwt.	Haddock, dried, qts.	Hake and Cusk, dried, qts.	Pollock, used fresh, cwt.	Pollock, dried, qts.	Herring, used fresh, cwt.	Herring, pickled, brls.	Herring, used as bait, brls.	Number.
<i>Cape Breton County.</i>																	
1	Sydney, Glace Bay, Langan and vicinity.	18	868		693		249			839				425		2037	1
2	Louisburg and vicinity.		1085		11		1826						71	10	575	200	2
3	Upper North Sydney, Long Island and Leitches Creek				510											265	3
4	Port Morien and vicinity.	80	1214	1030	24	103	65	5		2			1	22	41	1320	4
5	Main-a-Dien and vicinity.	154	1269	994	510	1248	813	106		932			82	37	493	17	5
6	Gabarus and vicinity.		1059		209		922			266			228	20	773	800	6
7	Scatarie Island.	12	30	542	1407	501	51	401	90	12		57				92	7
8	Little Bras-d'Or District.	17	1106	25	1905	1000	1185			366	3		101		15	1856	8
Totals.		281	6625	2591	5269	2852	5111	512	90	2417	3	57	483	514	1897	6587	
Rates.		\$ 12 00	18 00	8 00	1 50	3 00	5 50	1 50	3 00	4 50	3 00	1 00	3 50	1 00	4 50	2 00	
Values.		\$ 3372	119250	20728	7903	8556	28110	768	270	10876	9	57	1690	514	8536	13174	

* Cwt. = 100 lbs. † Quintal = 112 lbs.

THE CATCH MARKETING.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state for the County of Cape Breton, Province of Nova Scotia, during the year 1913-14—*Concluded.*

Fishing Districts.	Mackerel, used fresh, cwt.	Shad, used fresh, cwt.	Alewives, used fresh, cwt.	Alewives, salted, bbls.	Sardines, canned, cases.	Sardines, used fresh, bbls.	Hallibut, used fresh, cwt.	Flounders, used fresh, cwt.	Smelts, used fresh, cwt.	Eels, used fresh, cwt.	Tom-cod, used fresh, cwt.	Sword-fish, used fresh, cwt.	Squid, used as bait, bbls.	(Jams and Canned) hang, used fresh, bbls.	Fish oil, gals.	Number.
<i>Cape Breton County.</i>																
1 Sydney, Glace Bay, Lingan and vicinity.....	15								21			10			380	1
2 Louisburg and vicinity.....	64	1166													1100	12
3 Upper North Sydney, Long Island and Leitch's Creek.....																3
4 Port Morien and vicinity.....	7	10					37		30					5		4
5 Main-à-Dieu and vicinity.....	134	130	46	2			79					4	9			5
6 Gabarus and vicinity.....	160	480	1				12		73							6
7 Seatarie Island.....	110						103					51	20		400	7
8 Little Bras-d'Or District.....	152						219					26				8
Totals.....	642	1786	46	2			450		124			121	29	5	1880	
Rates.....%	5 00	11 00	8 00	1 50	3 00		9 00		2 00			5 00	4 00	4 00	0 30	
Values.....%	3210	19646	368	6	24		4050		992			605	116	20	564	
Total value.....																\$ 253,414

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and Landed in a Green State in the County of Victoria, Province of Nova Scotia, during the year 1913-14.

Fishing Districts.	Salmon, * cwts.	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake and Cusk, cwts.	Hake and Cusk, value.	Pollock, cwts.	Pollock, value.	Herring, cwts.	Herring, value.	Mackerel, cwts.	Mackerel, value.	Shad, cwts.	Shad, value.	Number.
Victoria County.																			
1 Iona, Washabuck and Little Narrows..	48	576	55	275	476	952	90	67	...	...	250	175	20	40	...	...	...	...	1
2 Cape Smokey to Wreck Cove.....	35	280	625	3125	400	400	90	...	...	...	...	...	820	410	90	180	...	...	2
3 Breton Cove and vicinity to Englishtown	55	440	1362	6810	460	460	104	77	...	...	332	222	7105	3552	48	96	...	...	3
4 Baddeck and vicinity.	30	320	.....	.....	238	616	9	21	...	...	...	...	350	386	1	9	...	...	4
5 Ingonish.....	77	770	1282	5771	8401	12601	14892	14892	...	...	532	479	1312	1624	1312	3317	...	...	5
6 Neil's Harbour and New Haven.	20	140	1640	7380	8200	12563	4150	3950	30	27	160	144	990	687	240	720	...	...	6
7 White Point, Dingwall and Sugar-Loaf.	173	1557	1102	4959	3100	4850	1200	1112	18	16	300	270	1040	705	120	480	...	...	7
8 Meat Cove, Bay St-Lawrence and vicin- ity.....	129	1032	1531	6889	1125	1688	164	164	...	...	48	43	826	589	87	318	...	...	8
9 Big Bras d'Or.....	.....	...	.....	.....	270	405	.....	.....	.....	.....	.....	.....	105	90	.....	.....	.....	.....	9
Totals.....	567	5115	7597	35209	22670	31538	20609	20283	48	43	1622	1333	12568	8083	1898	5150	

*Cwt. 100 lbs.

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THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State in the County of Victoria, Province of Nova Scotia, during the year 1913-14.—*Concluded.*

Number.	Fishing Districts.	Alewives, *cwt.	Alewives, value.	Sardines, brls.	Sardines, value.	Halibut, cwt.	Halibut, value.	Smelts, cwt.	Smelts, value.	Trout, cwt.	Trout, value.	Eels, cwt.	Eels, value.	Sword-fish, cwt.	Sword-fish, value.	Squid, brls.	Squid, value.	Oysters, brls.	Oysters, value.	Clams, brls.	Clams, value.	Number.	
<i>Victoria County.</i>																							
1	Iona, Washabuck and Little Narrows..	10	10																446	1338			1
2	Cape Smokey to Wreck Cove.....																						2
3	Breton Cove and vicinity to Englishtown																						3
4	Baddeck and vicinity.....	5	10					9	53										15	45			4
5	Ingonish.....					5	25	26	156					25	125								5
6	Neil's Harbour and New Haven.....					86	430	1	4								3	9					6
7	White Point, Dingwall and Sugar Loaf.					90	450	8	32	2	16	8	24	120	420	5	15						7
8	Meat Cove, Bay St. Lawrence and vicinity.					59	177	2	8	1	8	2	6	124	434	1	3						8
9	Big Bras-d'Or.....																						9
Totals.....		15	20			240	1082	46	253	3	24	10	30	269	979	9	27	461	1383				

* Cwt. = 100 lbs.

THE CATCH MARKETING.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state, for the County of Victoria, Province of Nova Scotia, during the year 1913-14.

Number.	Fishing Districts.	Salmon used fresh and frozen, *cwt.	Salmon, canned, cases.	Loobsters, shipped in shell, cwt.	Cod, used fresh, cwt.	Cod, shipped green, salted, cwt.	Cod, dried, cwt.	Haddock, used fresh, cwt.	Haddock, smoked, cwt.	Haddock, dried, cwt.	Hake and Cusk, dried, cwt.	Pollock, used fresh, cwt.	Pollock, dried, cwt.	Herring, used fresh, cwt.	Herring, pickled, brls.	Herring, as bait, brls.	Number.
1	Lona, Washabuck and Little Narrows	48	.....	55	223	.....	84	.....	.....	30	.....	.....	83	8	.....	4	1
2	Wreck Cove to Cape Smokey	35	.....	.....	.....	.....	133	.....	.....	34	.....	.....	110	320	60	160	2
3	Breton Cove and vicinity to Englishtown	55	.....	.....	.....	.....	153	.....	.....	.....	.....	.....	.....	3469	56	1734	3
4	Baddeck and vicinity	30	.....	.....	49	40	36	.....	520	3	.....	.....	.....	100	80	5	4
5	Ingonish	77	.....	.....	750	3704	81	13189	.....	221	.....	12	173	.....	104	500	5
6	Neil's Harbour and New Haven	10	12	.....	120	3750	186	180	.....	1323	10	1	53	60	35	412	6
7	White Point, Dingwall and Sugar Loaf	167	7	.....	145	1236	155	174	.....	343	6	4	98	76	13	462	7
8	Meat Cove, Bay St. Lawrence and vicinity	129	.....	6	81	361	103	98	.....	22	.....	.....	16	44	38	334	8
9	Pig Bras-d'Or	.....	.....	.....	.....	.....	90	.....	.....	.....	.....	.....	.....	.....	35	.....	9
	Totals.....	551	19 3015	61	1371	9091	1021	13641	520	1976	16	17	533	4077	421	3611	
	Rates	\$ 12 00	7 00 18 00	8 00	2 00 2 00 4 00	6 00	6 00	2 00	3 00	5 00	4 00	1 50	3 25	1 50	5 00	2 00	
	Values	\$ 6612	133 54270	488	2742	36364	6126	27282	1560	9880	64	25	1732	6115	2105	7222	

*Cwt = 100 lbs.

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THE CATCH MARKETING.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state, for the County of Victoria, Province of Nova Scotia, during the year 1913-14.—*Concluded.*

Fishing Districts.	Herring, smoked, bbls.	Herring, fertilizers, bbls.	Macquerel, used fresh, * cwt.	Macquerel, salted, bbls.	Alwives, used fresh, cwt.	Alwives, salted, bbls.	Halibut, used fresh, cwt.	Smelts, used fresh, cwt.	Trout, used fresh, cwt.	Eels, used fresh, cwt.	Sword-fish, used fresh, cwt.	Squid, used as bait, bbls.	Oysters, used fresh, bbls.	Clams and Quahangs used fresh, bbls.	Tongues and Sounds pickled or dried, cwt.	Hair Seal Skins, number.	Fish Oil, galls.	Number.
<i>Victoria County.</i>																		
1 Long, Washabuck and Little Narrows					10								446				55	1
2 Wreck Cove to Cape Smokey				30													90	1
3 Breton Cove and vicinity to Englishtown				16	5			9									69	3
4 Baddeck and vicinity			1								25		15				9	4
5 Ingonish			20	437			5	26									3000	5
6 Neil's Harbour and New Haven			26	73			86	1									4	6
7 White Point, Dingwall and Sugar Loaf.			45	25			90	8	2	8	120	3	5				3	7
8 Meat Cove, Bay St. Lawrence and vicinity			33	18			59	2	1	2	124		1				12	8
9 Big Bras d'Or																	350	9
Totals			125	599	15		240	46	3	10	269	9	461		4	19	7373	
Rates			7 00	10 00	2 00		8 00	6 00	10 00	5 00	6 00	3 00	3 00		4 00	1 00	30c.	
Values			875	5990	30		1920	276	30	50	1614	27	1383		16	19	2212	
Total Value																		\$177,162

*Cwt=100 lbs.

THE CATCH.
Return showing the Quantities and Value of all Fish caught and landed in a Green State in the County of Inverness, Province of Nova Scotia, during the Year 1913-14.

Number.	Fishing Districts.	Salmon, * cwt.	Salmon, value.	Lobsters, cwt.	Lobsters, value.	Cod, cwt.	Cod, value.	Haddock, cwt.	Haddock, value.	Hake and Cusk, cwt.	Hake and Cusk, value.	Pollock, cwt.	Pollock, value.	Herring, cwt.	Herring, value.	Mackerel, cwt.	Mackerel, value.	Alewives, cwt.	Alewives, value.	Number.
<i>Inverness County.</i>																				
1	Meat Cove, Poulet Cove and Pleasant Bay . .	253	2277	1125	5072	225	225	1	1	.....	.....	1	1	924	487	1407	5160	..	....	1
2	Eastern Harbour, Cap Rouge, Cheticamp Point and Grand-Etang	362	3620	4432	22160	15137	22705	1226	964	1350	877	610	397	2506	1503	5670	22690	.....	.....	2
3	Friar's Head Margaree Harbour to Smith's Cove	780	9360	1740	8700	17807	26710	2145	2145	.....	.....	.....	.....	1511	1511	8200	32800	1509	1530	3
4	Broad Cove, Port Ban to Mabou Harbour . .	40	400	1685	7582	920	1840	165	247	225	225	.....	.....	636	636	1800	6000	...	...	4
5	West-Lake Ainslie and Whycocomah Bay . .	.....	.....	.....	.....	160	320	.....	.....	.....	.....	.....	.....	24	24	.....	.....	50	75	5
6	Little Mabou and Port Hood to Hawkesbury	.....	.....	6750	33750	3500	3500	8000	10000	3910	2932	.....	.....	9590	3100	2100	11600	.....	.....	6
7	West Bay, Malagawatch and Deny's Basin . .	.....	.....	.....	.....	310	620	.....	.....	.....	.....	.....	.....	1400	700	.....	.....	.....	.....	7
Totals.		1435	15657	15732	77264	38059	55920	11537	13357	5485	4034	611	398	16591	7961	19177	78250	1550	1605	

* Cwts. 100 lbs.

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State, in the County of Inverness, Province of Nova Scotia, during the Year 1913-14—*Concluded.*

Number.	Fishing Districts.	Halibut, * cwt.	Halibut, value.	Smelts, cwt.	Smelts, value.	Trout, cwt.	Trout, value.	Feels, cwt.	Feels, value.	Tom-Cod, cwt.	Tom-Cod, value.	Sword-fish, cwt.	Sword-fish, value.	Mixed fish, cwt.	Mixed fish, value.	Squid, brls.	Squid, value.	Oysters, brls.	Oysters, value.	Number.
<i>Inverness County.</i>																				
1	Meat Cove, Poulet Cove and Pleasant Bay.	8	35									54	270	10	10	3	9	..	..	1
2	Eastern Harbour, Cap Rouge, Chéticamp Point and Grand-Étang.					2	20	3	12							48	144			2
3	Friar's Head and Margaree Harbour to Smith's Cove.																			3
4	Broad Cove, Port Ban to Mabou Harbour.			40	240															4
5	West-Lake Ainslie and Whyecocomah Bay.					30	150	20	80	10	5									5
6	Little Mabou and Port Hood to Hawkesbury.			100	600					120	200									6
7	West Bay, Malagawatch and Deny's Basin.					5	25	10	30									300	900	7
Totals		8	35	140	840	37	195	33	122	130	295	54	270	10	10	51	153	300	900	

Cwts. = 100 lbs.

THE CATCH MARKETING.

Return showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., state, for the County of Inverness, Province of Nova Scotia, during the Year 1913-14.

Number.	Fishing Districts.												Number.			
	Salmon, used fresh and frozen, cwt.	Salmon, canned, cases.	Lobsters, canned, cases.	Cod, used fresh, cwt.	Cod, shipped green-salted, cwt.	Cod, dried, † Quintals.	Haddock, used fresh, cwt.	Haddock, dried, cwt.	Hake and Cusk, used fresh, cwt.	Hake and Cusk, dried, cwt.	Pollock, used fresh, cwt.	Pollock, dried, cwt.		Herring, used fresh, cwt.	Herring, pickled, brls.	Herring used as bait, brls.
<i>Inverness County.</i>																
1	253	...	450	35	80	10	1	...	...	...	1	...	...	10	452	1
2	357	5	1773	124	3145	2891	11	379	...	450	...	203	...	...	1273	2
3	780	...	696	...	7909	663	...	715	...	...	...	...	...	...	755	3
4	40	...	674	500	...	140	127	33	...	76	...	...	...	...	298	4
5	...	...	...	160	...	...	8000	...	3900	2	...	...	9590	...	12	5
6	...	...	2700	2300	...	400	...	...	...	...	...	...	...	...	...	6
7	...	...	...	310	...	...	...	...	...	...	...	...	...	...	700	7
Totals																
	1430	5	6293	3479	11134	4104	8139	1127	3900	528	1	203	9590	10	3490	
Rates																
	12.00	10.00	18.00	1.50	3.50	5.50	1.50	4.00	1.00	3.00	1.00	3.00	1.00	4.00	1.50	
Values																
	\$ 17160	\$ 50	\$ 113274	\$ 5218	\$ 38969	\$ 22572	\$ 12208	\$ 4508	\$ 3900	\$ 1584	\$ 1	\$ 609	\$ 9590	\$ 40	\$ 5235	

*Cwt=100 lbs. †Quintals= 112 lbs.

THE CATCH MARKED.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., state, for the County of **Inverness**, Province of **Nova Scotia**, during the Year 1913 14—*Concluded*.

[illegible]

RECAPITULATION.

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state, for **District No. 1, Province of Nova Scotia,** during the year 1913-14.

Kinds of Fish.	Caught and Landed in a Green State.		Marketed.		Total Marketed Value.
	Quantity.	Value.	Quantity	Value.	
		\$		\$	\$
Salmon..... cwts.	2,406	24,947			
" used fresh..... "			2,385	28,374	
" canned..... cases.			24	183	
					28,557
Lobsters..... cwts.	51,426	281,545			
" canned..... cases.			19,382	348,876	
" shipped in shell..... cwts.			2,975	24,446	
					373,322
Cod..... "	114,043	169,931			
" used fresh..... "			14,026	21,723	
" green—salted..... "			23,890	85,921	
" dried..... "			17,373	96,061	
					203,705
Haddock..... "	64,949	74,025			
" used fresh..... "			35,099	65,872	
" smoked (finnans)..... "			610	1,830	
" dried..... "			9,235	43,331	
					111,033
Hake and Cusk..... "	7,338	5,237			
" used fresh..... "			4,883	4,883	
" dried..... "			788	2,380	
					7,263
Pollock "	5,245	4,771			
" used fresh..... "			85	93	
" dried..... "			1,696	5,939	
					6,032
Herring..... "	54,947	44,431			
" used fresh..... "			14,507	16,545	
" pickled..... brls.			3,937	17,921	
" used as bait..... "			14,320	27,211	
					61,677
Mackerel..... cwts.	36,772	134,667			
" used fresh..... "			7,445	44,183	
" salted..... brls.			9,775	123,843	
					168,026
Shad..... cwts.	46	230			
" used fresh..... "			46		
					368
Alewives..... "	1,596	1,656			
" used fresh..... "			622	642	
" salted brls.			325	975	
					1,617
Halibut, used fresh cwts.	800	5,107	800		6,732
Flounders..... "	51	26	51		51
Smelts..... "	730	4,310	730		5,188
Trout..... "	40	219	40		400
Eels..... "	123	312	123		342
Tom Cod..... "	130	295	130		325
Swordfish..... "	1,421	4,755	1,421		6,505
Mixed Fish..... "	30	30	30		30
Squid..... brls.	269	670	269		887
Oysters..... "	761	2,283	761		2,283
Clams..... "	87	256			
" used fresh..... "			87		266

RECAPITULATION.

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state, for District No. 1, Province of Nova Scotia, during the year 1913-14— *Concluded.*

Kinds of Fish.	Caught and Landed in a Green State.		Marketed.		Total Marketed Value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	\$
Tongues and Sounds cwts.	2,004	.....	8,016
Hair Seal Skins..... No.	24	.....	24
Fish Oil..... galls.	19,208	.....	5,435
Totals.....	759,703	.....	.....	998,084

RECAPITULATION.

Of the Number of Fishermen, &c., and of the Number and Value of Fishing Vessels Boats, Nets, &c., in District No. 1, Province of Nova Scotia, for the year 1913-14.

	Number.	Value.
		\$
Steam Fishing Vessels (tonnage ).....	.....	.....
Sailing and Gasoline Vessels	96	60,300
Boats (sail)	2,560	89,059
" (gasoline).....	340	76,780
Carrying Smacks.....	75	27,130
Gill Nets, Seines, Trap and Smelt Nets, etc.....	12,542	106,444
Weirs.....	2	20
Trawls	3,470	29,965
Hand Lines	8,040	5,852
Lobster Traps	130,937	111,626
" Canneries.....	70	57,270
Salmon Canneries.....	.....	.....
Clam Canneries.....	.....	.....
Freezers and Ice-houses.....	39	279,720
Smoke and Fish-houses.....	852	54,872
Fishing Piers and Wharves.....	231	182,060
	.....	1,072,098

Number of men employed on Vessels.....	491
" " Boats.....	4,439
" " Carrying Smacks.....	138
" persons employed in Fish-houses, Freezers, Canneries, &c.....	2,258
Total.....	7,326

DISTRICT

RETURN showing the Number of Fishermen, etc., the Number and Value of Vessels and Industry in the County of Cumberland, Province

Number.	Fishing Districts.	Vessels, Boats and Carrying Smacks.										Gill Nets, Seines, Trap and Smelt Nets, etc.			
		Steam vessels.				Boats.					Carrying Smacks.				
		Number.	Tons.	Value.	Men.	Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Men.	Number.	Value.
				\$			\$		\$			\$			\$
1	Cumberland County.														
	Malagash, East Wallace and Fox Harbour.....					33	2450	84	15744	143	1	200	1	.....
2	Pugwash and Gulf Shore.....					21	1052	55	8250	80	1	300	1	64 750	
3	Port Philip, Northport and Amherst Shore.....					11	440	13	1900	29				29 435	
4	Wallace River.....					28	610			28				11 160	
5	River Philip.....					4	80	1	400	6				39 880	
6	Maccan and Nappan.....							2	600	6					
7	Minudie to Apple River.....					2	60	2	600	12					
8	Advocate.....					10	300	3	1200	34				12 96	
9	Spencer Island.....					4	120	2	800	16				6 48	
10	Port Greville.....					6	180			18				5 40	
11	Parrsboro and Two Islands.....							3	750	9				2 25	
	Totals.....					119	5292	165	30244	381	2	500	2	168 2440	

RETURN showing the Number of Fishermen, etc., the Number and and Value of Vessels Industry in the County of Colchester, Province

Number.	Fishing Districts.	Vessels, Boats and Carrying Smacks.					Fishing	
		Boats.					Gill Nets, Seines, Trap and Smelt Nets, etc.	
		Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.
			\$					\$
1	Sterling.....	7	200	12	1850	17	9	225
2	Stewiacke.....			90	900	165	100	1375
3	Five Islands and Economy.....	1	75			1	1	60
4	Little Bass River to Highland Village.....	5	375			5	5	300
5	Great Village to Queens Village	13	975			13	13	780
Totals.....		26	1625	102	2750	201	128	2690

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No. 2.

Boats, and the Quantity and Value of all Fishing Gear, etc., used in the Fishing of Nova Scotia, during the Year 1913-14.

Fishing Gear.								Canneries		Other Material.				Persons Employed in Canneries, Freezers and Fish-houses.	Number.
Weirs.		Trawls.		Hand Lines.		Lobster Traps.		Lobster Canneries.		Freezers and Ice-houses.		Smoke and Fish-houses.			
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		
	\$		\$		\$		\$		\$		\$		\$		
.....						32270	28660	14	30100	.....				226	1
.....						19948	19948	11	12175	.....				125	2
2	100					6700	5150	7	1300	.....		6	2600	32	3
.....										.....		4	110	.....	4
.....										.....				.....	5
2	150									.....				.....	6
2	150					50	50			.....				.....	7
2	150			34	68	50	50			.....				.....	8
.....				16	32	50	50			.....				.....	9
.....				18	36					.....				.....	10
6	450			9	18	25	25	.....		1	1000			3	11
14	1000	.....	.....	77	154	59093	53933	32	43575	1	1000	10	2710	386	

and Boats, and the Quantity and Value of all Fishing Gear, etc., used in the Fishing of Nova Scotia, during the Year 1913-14.

Gear.								Canneries.				Other Material.		Persons Employed in Canneries, Freezers, and Fish-Houses.	
Weirs.		Trawls.		Hand Lines.		Lobster Traps.		Lobster Canneries.		Clam Can- neries.		Smoke and Fish- houses.			
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Numbre.	Value.	Number.	Value.		
	\$		\$		\$		\$		\$		\$		\$		
...	4625	4625	2	1900	...	...	...	...	17	1
...	2	40	...	2
...	...	4	40	...	...	...	...	...	...	...	...	...	...	...	3
...	4
...	5
...	...	4	40	...	...	4625	4625	2	1900	...	...	2	40	17	

RETURN showing the Number of Fishermen, &c., the Number and Value of Vessels and Industry in the County of **Pictou**, Province of

Number.	Fishing Districts.	Vessels, Boats and Carrying Smacks.							Gill Nets, Seines, Trap and Smelt Nets, &c,		
		Boats.					Carrying Smacks.				
		Sail.	Value.	Gasoline	Value.	Men.	Number.	Value.	Men.	Number.	Value.
			\$		\$			\$			\$
1	West Pictou.....	38	1270	164	26590	206	.....	.....	.....	103	1145
2	Pictou Island.....	6	290	58	10300	126	1	150	2	98	830
3	Pictou Harbour.....	9	360	.....	.....	12	3	11500	7	50	365
4	Little Harbour and East Branch St. Mary's River....	20	700	.....	.....	15	.....	.....	.....	45	2410
5	Merigomish Island.....	13	520	3	600	26	1	400	2	16	1360
6	Ponds.. ..	5	200	18	3600	36	.....	.....	.....	76	1762
7	Lismore.....	5	200	1	200	7	.....	.....	.....	14	900
	Totals.	96	3540	244	41290	428	5	12050	11	402	8772

RETURN showing the Number of Fishermen, &c., the Number and Value of Vessels and Industry in the County of **Antigonish**, Province of

Number.	Fishing Districts.	Vessels, Boats and Carrying Smacks.										Gill Nets, Seines, Trap and Smelt Nets, etc.		
		Sailing and Gas- oline Vessels.			Boats.					Carrying Smacks.				
		(10 to 20 tons) No.	Value.	Men.	Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Men	Number.	Men.
	<i>Antigonish County.</i>		\$			\$		\$		\$				
1	Harbour au Bouche, Linwood and Cape Jack...	1	300	3	50	955	8	1510	82	3	1000	3	357	2420
2	Tracadie, Bayfield, Monk's Head & South Side Antigonish Harbour	.....	.....	.....	45	680	13	2520	76	1	125	1	170	5200
3	North Side Antigonish Harbour, Lakevale and South Side of Cape George ..	.....	.....	.....	38	670	8	1310	71	2	400	2	142	2370
4	North Side of Cape George, George- ville and Malignant Cove to Knoidart.....	28	560	8	1230	38	3	600	3	90	1510
	Totals.....	1	300	3	161	2865	37	6570	267	9	2125	9	759	11500

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Boats, and the Quantity and Value of all Fishing Gear, &c., used in the Fishing Nova Scotia, during the year 1913-14.

Fishing Gear.						Canneries.		Other Material.						Persons Employed in Canneries, Freezers and Fish Houses.	Numbers.
Trawls.		Hand Lines.		Lobster Traps.		Lobster Canneries.		Freezers and Ice Houses.		Smoke and Fish Houses.		Fishing Piers and Wharves.			
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		
	\$		\$		\$		\$		\$		\$		\$		
.....		170	85	45175	45175	13	27300	.....		.....		.....		250	1
.....		32	16	24700	24700	3	14500	.....		.....		.....		131	2
.....		18	9	.....		.....		.....		.....		.....		15	3
.....		18	9	1800	1800	1	250	.....		.....		.....		14	4
2	14	16	5	2800	2500	1	1200	4	1400	4	80	.....		30	5
4	28	18	9	5700	4485	1	1800	10	1180	10	200	.....		27	6
1	7	6	3	800	680	...	.....	2	50	.....		.....		.....	7
7	49	272	136	80975	79340	19	45050	16	2630	14	280	.....		467	

Boats, and the Quantity and Value of all Fishing Gear, &c., used in the Fishing Nova Scotia, during the Year 1913-14.

Fishing Gear.						Canneries.		Other Material.						Persons Employed in Canneries, Freezers and Fish Houses.	Number.
Trawls.		Hand Lines.		Lobster Traps.		Lobster Canneries.		Freezers and Ice Houses.		Smoke and Fish Houses.		Fishing Piers and Wharves.			
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		
	\$		\$		\$		\$		\$		\$		\$		
53	324	131	65	7600	3800	1	1000	1	1000	43	497	2	4000	36	1
25	148	90	45	4000	2000	1	800	2	1800	31	452	.....	.....	24	2
56	336	51	28	9000	4500	2	2400	1	900	18	210	.....	.....	58	3
30	180	36	18	6400	3200	3	2600	2	2000	17	284	..	.....	46	4
164	988	308	156	27000	13500	7	6800	6	5700	109	1443	2	4000	164	

RETURN showing the Number of Fishermen, etc., the Number and Value of Vessels and Boats, and the Quantity and Value of all Fishing Gear, etc., used in the Fishing Industry in the County of Guysboro, Province of Nova Scotia, during the Year 1913-14.

Number.	Fishing Districts.	Vessels, Boats and Carrying Snacks.										Fishing Gear.					
		Sailing and Gasoline Vessels.			Boats.			Carrying Snacks.		Gill Nets, Seines, Trap and Smelt Nets, etc.		Trawls.					
		(40 tons and over.)	Number.	Value.	Men.	Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Number.	Value.			
Guysboro County.																	
1	Keum Secum.					28	560	10	1800	40	1	150	2	90	450	16	96
2	Marie Joseph.					36	1080	16	2550	46				100	500	41	246
3	Liscombe and Spanish Ship Bay					40	800	22	4050	55	2	400	4	120	700	30	300
4	Gegoggin					20	400	11	1670	25				37	185	10	100
5	St. Mary's Bay and River					20	400	8	1180	20				50	250	9	50
6	Wine Harbour					22	400	1	150	18				60	500	4	40
7	Port Hillford.					22	400	1	200	30	1	100	1	100	700	19	100
8	Holland's Harbour and Indian River					4	100	1	500	6				20	150	4	40
9	Port Beckerton.					30	800	14	5400	55	1	350	2	230	2000	70	700
10	Fisherinan's Harbour					25	500	11	2000	32	1	600	2	150	900	15	150
11	Country Harbour					5	100			5				10	60		11
12	Isaac's Harbour		1	700	2	12	600	14	4200	33	2	400	1	100	1000	25	250
13	Drum Head		5	5000	10	13	650	12	3600	44	5	5000	10	185	1850	86	860
14	Seal Harbour					7	350	9	2700	26				124	1240	60	600
15	Coddles Harbour					4	200	10	3000	26				150	1500	24	240
16	New Harbour.					5	250	28	8400	60				450	4500	43	430
17	Tor Bay					21	1560	2	325	29	2	250	3	170	1700	16	160
18	Larry's River		5	4000	16	65	3200	2	450	38				800	8000	75	750
19	Charlo's Cove		10	5000	53	56	2750	2	450	31				665	6650	98	980
20	Cole Harbour		2	900	6	38	1900	4	850	40				425	4250	64	640
21	Port Felix.		1	800	5	85	4300	10	2000	95	1	150	1	820	8200	146	1460
22	Whitehead.		6	5000	26	76	3275	15	3300	79	8	1600	8	1000	10000	225	2250
23	Raspberry and Dover		3	2000	17	43	1000	4	750	34	3	500	3	175	1750	69	290
24	Canso and Canso Tittle		17	27000	90	170	5750	35	1000	137	6	1500	6	2100	21000	565	5650
25	Fox Island Maine					22	650	2	200	17				180	1800	35	350
26	Half Island Cove		1	450	3	44	2900	6	1000	38	2	1015	4	850	8500	90	900

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27 Philip's Harbour	1	850	3	1300	4	1010	31	575	5750	64	640	27
28 Queensport	1	375	5	2800	6	1000	42	320	3200	102	1020	28
29 Peas Brook				1060			24	325	3250	51	510	29
30 Halfway Cove				2100			56	620	6200	82	820	30
31 Sandy Cove and Cook's Cove				1240	2	500	36	390	3900	50	500	31
32 Guysboro and Manchester				600	2	360	11	285	2850	20	200	32
33 Port Shepahan				675			19	359	3590	55	550	33
34 St. Francis				1000			45	420	4200	30	300	34
35 Oyster Ponds				975			37	395	3950	28	280	35
36 Sand Point				1400			11	569	5690	37	370	36
37 Middle Melford				2130	4	1200	47	872	8720	95	950	37
38 Mulgrave and Auld's Cove				330	3	8600	13	100	1000	9	90	38
Totals	1	53	51575	236	1292	50485	271	64395	1431	38	20615	54
								14391	140635	2402	23202	

RETURN showing the Number of Fishermen, etc., the Number and Value of Vessels and Boats, and the Quantity and Values of all Fishing Gear, etc., used in the Fishing Industry in the County of **Guysboro**, Province of **Nova Scotia**, during the Year 1913-14.---*Concluded.*

Number	Fishing Districts.	Fishing Gear.				Canneries.		Other Material.				Persons employed in Canneries, Freezers and Fish houses.	Number.		
		Hand Lines.		Lobster Traps.		Lobster Canneries.		Freezers and Ice-houses.		Smoke and Fish-houses.				Fishing Piers and Wharves.	
		Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.				
Guysboro County.															
1	Ecum Secum	70	35	2500	2500	..	..	2	100	25	400	4	200	1	200
2	Marie Joseph	50	25	2500	2500	..	..	1	50	25	500	6	300	4	300
3	Liscombe and Spanish Ship Bay	102	50	5000	5000	1	1200	3	100	40	1000	6	200	18	300
4	Giegoggin	40	20	1600	1600	1	100	1	50	14	180	2	100	8	100
5	St. Mary's Bay and River	35	18	1200	1200	..	..	6	400	12	200	1	50	4	50
6	Wine Harbour	30	15	1200	1200	..	..	1	100	12	300	1	50	5	50
7	Port Hillford	40	20	1000	1000	..	..	2	200	15	300	..	..	2	300
8	Holland's Harbour and Indian River	8	4	800	800	..	..	..	..	..	..	1	40	..	40
9	Port Beckerton	80	40	3500	3500	..	..	10	1000	20	800	8	400	4	400
10	Fisherman's Harbour	60	30	1500	1500	1	800	..	..	8	200	3	150	14	100
11	Country Harbour	10	5	100	100	..	..	..	..	6	100	..	..	..	11
12	Isaacs Harbour	42	42	1650	1650	1	1000	3	7000	20	3000	9	2700	26	1200
13	Drum Head	68	68	2200	2200	1	2500	1	2800	15	2000	8	800	23	1300
14	Seal Harbour	80	80	1300	1300	..	..	1	900	17	1900	2	450	18	1400
15	Coddles Harbour	138	138	1300	1300	..	..	..	..	9	900	2	500	6	1500
16	New Harbour	333	333	3000	3000	..	..	1	1800	37	9200	2	2500	1	1600
17	Tor Bay	115	115	1400	1400	1	300	..	..	13	1300	3	700	12	1700
18	Larry's River	260	260	1900	1900	..	..	..	..	31	3000	20	8000	18	1800
19	Charlo's Cove	195	195	1600	1600	..	..	..	..	20	2200	2	2300	4	1900
20	Cole Harbour	114	114	2000	2000	..	..	..	..	18	340	15	3500	20	2000
21	Port Felix	260	260	4800	4800	1	1000	..	..	42	4500	27	12500	14	2100
22	Whitehead	275	275	3900	3900	3	3450	..	..	38	9700	28	12970	34	2200
23	Raspberry and Dover	108	108	1700	1700	1	800	..	..	11	1800	5	4200	14	2300
24	Canso and Canso Tittle	860	860	6800	6800	2	3400	8	77400	57	17020	30	13000	115	2400
25	Fox Island Maine	28	28	800	800	1	150	5	900	25	2500
26	Half Island Cove	92	92	1900	1900	1	400	2	8000	20	6500	1	800	8	2600

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27 Philip's Harbour.....	75	75	1500	1500	1500	14	2600	1	800	27
28 Queensport.....	100	100	2100	2100	2100	1	2500	25	6535	2	5300	28
29 Peas Brook.....	69	69	1200	1200	1200	.....	.....	.....	14	1400	.....	.....	29
30 Halfway Cove.....	114	114	2800	2800	2800	.....	.....	.....	25	3350	.....	.....	30
31 Sandy Cove and Cook's Cove.....	51	51	1800	1800	1800	1	400	.....	16	2800	1	75	31
32 Guysboro and Manchester.....	29	29	500	500	500	2	1000	.....	10	5900	5	10000	32
33 Port Shoreham.....	21	21	900	900	900	.....	.....	.....	16	2000	.....	.....	33
34 St. Francis.....	60	60	2200	2200	2200	.....	.....	.....	22	3250	.....	.....	34
35 Oyster Ponds.....	51	51	1800	1800	1800	.....	.....	.....	18	2750	2	800	35
36 Sand Point.....	28	28	500	500	500	.....	.....	.....	15	2245	.....	.....	36
37 Middle Melford.....	56	56	2300	2300	2300	.....	.....	.....	25	3850	.....	.....	37
38 Mulgrave and Auld's Cove.....	20	20	600	600	600	2	5000	.....	10	6750	3	7500	38
Totals.....	4167	3904	75350	75350	75350	17	22460	54	129050	111670	200	90885	854

RETURN showing the Number of Fishermen, etc., the Number and Value of Vessels and Boats, and the Quantity and Value of all Fishing Gear, etc., used in the Fishing Industry in the County of **Halifax**, Province of **Nova Scotia**, during the year 1913-14.

Vessels, Boat and Carrying Snacks.														
Fishing Districts.														
Halifax County.														
Sailing and Gasoline vessels.					Boats.				Carrying Snacks.					
Number.	(40 tons and over)	Number.	(20 to 40 tons)	Number.	Value.	Men.	Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Men.
1	North Shore	1			3000	14	130	2000	2	600	80	1	200	2
2	East St. Margaret's	1			2500	18	230	9100	4	800	140	1	300	2
3	Indian Harbour	1	1	9	9700	39	150	9000	56	12500	95	2	500	4
4	Peggy's Cove						100	3000	2	400	40			
5	Dover		2	13	8200	48	376	11200	4	1500	135	1	200	2
6	Prospect		2		1200	8	100	3300	4	1000	90			
7	Terrence Bay		4	8	8400	48	200	8000	17	4240	140	1	400	3
8	Pennant				4300	32	20	600	3	900	29			
9	Sambro		3	5	5000	32	60	4500	19	2850	19	1	5000	4
10	Ketch Harbour		1	1	1500	12	60	4000	5	1500	69			10
11	Portuguese Cove	1	2	3	4200	30			10	3000	30			11
12	Herring Cove						70	3100	1	300	88			12
13	Ferguson's Cove						6	200		200	10			13
14	Bedford and Grand Lake						16	425			16			14
15	Halifax						10	200			20			15
16	Dartmouth, Eastern Passage and Devil's Island			1	900	3	62	1550	26	5000	56			16
17	Cow Bay and Lawrence town						18	450	1	150	16			17
18	Seaforth and Three Fathom Harbour						36	520	1	175	30			18
19	West Chezetcook	3			6775	51	112	1500	1	300	66			19
20	East Chezetcook						14	288			13			20
21	Petpeswick Harbour						31	575	6	800	31	1	200	21
22	Musquodoboit Harbour						58	1310	22	4050	50	1	75	22
23	Iddore		2		1800	18	78	1150	18	3850	72	1	120	23
24	Clam Harbour and Owl's Head		1	3	2000	20	70	1150	15	2305	59	1	400	24
25	West Ship Harbour			1	1000	4	16	480	5	500	17			25
26	East Ship Harbour		1		600	3	6	330	4	675	21			26
27	Pleasant Harbour and Tangier								19	3570	41			27

RETURN showing the Number of Fishermen, etc., the Number and Value of Vessels and Boats, and the Quantity and Value of all Fishing Gear, etc., used in the Fishing Industry in the County of Halifax, Province of Nova Scotia, during the year 1913-14.

Number.	Fishing Districts.	Fishing Gear.						Canneries.		Other Material.						Persons employed in Canneries, Freezers and Fish-houses.		
		Gill Nets.		Trawls.		Hand Lines.		Lobster Traps.		Lobster Canneries.		Freezers and Ice-Houses.		Smoke and Fish-Houses.			Piers and Wharves.	
		Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		Number.	Value.
Halifax County.																		
1	North Shore	920	24000	45	1250	300	150	3500	2800			6	1200	60	8500	60	4500	16
2	East St. Margaret's	2140	21720	80	2000	300	150	7300	5840			3	1000	72	11000	72	5600	5
3	Indian Harbour	2271	20025	210	5750	212	126	4000	3200			3	450	35	5000	30	2000	
4	Peggy's Cove	520	6400	45	850	90	45	2000	1600					23	5600	14	1050	
5	Dover	3120	50000	300	4000	300	150	6000	4800			3	1400	61	8000	60	3600	
6	Prospect	1840	33260	70	1750	210	105	4500	3600	1	400	2	1200	35	10500	36	4700	
7	Terrence Bay	768	11500	250	3200	220	110	7000	5600	1	700	3	1250	50	7500	50	2500	2
8	Pennant	359	5250	34	720	30	15	1450	1160			2	30	12	2400	12	900	8
9	Sambro	912	9600	125	1980	240	120	950	760	1	2000	3	1300	20	3000	21	2500	20
10	Ketch Harbour	243	3810	69	690	150	76	3450	2760			2	1200	25	3000	14	1500	2
11	Portuguese Cove	511	6080	40	560	76	38	1885	1508					19	2850	20	500	11
12	Herring Cove	126	4460	110	2590	150	75	1300	1040					20	3000	20	500	12
13	Ferguson's Cove	46	275	4	20	14	7	500	400					7	1400	7	700	13
14	Bedford and Grand Lake	26	1188	3	15	10	5	350	255					6	300			14
15	Halifax	30	1200	10	50	20	10	50	25			6	30000	9	30000	6	62000	15
16	Dartmouth, Eastern Passage and Devil's Island	248	995	70	1050	200	100	2000	1000					35	6500	27	800	12
17	Cow Bay and Lawrencetown	84	344			34	17	900	450					13	260	5	250	17
18	Seaforth & Three Fathom Harbour	95	382			80	40	1000	500					53	1275	5	500	18
19	West Chezzetcook	432	1730	5	100	246	123	1500	750					10	320	3	300	19
20	East Chezzetcook	44	176			30	15	1000	500					25	500	10	600	20
21	Petpeswick Harbour	73	293			76	38	1000	500	1	1300	16	375	16	375	7	300	21
22	Musquodoboit Harbour	146	1294	5	80	100	50	1750	875	1	1000	26	550	26	550	12	350	22
23	Jeddore	250	1020	8	140	175	88	2500	1250	2	3000	46	950	46	950	14	600	23
24	Clam Harbour & Owl's Head	227	1719			180	90	3500	1750	2	1900	24	900	24	900	12	1000	24
25	West Ship Harbour	73	320	2	40	32	16	1000	500					11	350	9	700	25
26	East Ship Harbour	113	532	4	66	56	28	1575	1260					10	310	7	135	26
27	Pleasant Harbour and Tangier	182	728	5	65	97	48	3000	2400					21	410	14	350	27

RETURN showing the Number of Fishermen, &c., the Number and Value of Vessels and Boats, and the Quantity and Value of all Fishing Gear, &c., used in the Fishing Industry in the County of **Hants**, Province of **Nova Scotia**, during the year 1913-14.

Number.	Fishing Districts.	Fishing Vessels, Boats, Tugs, &c.					Fishing Gear.			
		Boats.					Gill Nets.		Weirs.	
		Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Number.	Value.
			\$		\$			\$		\$
1	Hantsport to Windsor.....	6	250	2	280	9	13	500	.....	.....
2	Windsor to Noel...	5	240	.....	.....	5	10	350	3	110
3	Maitland to Shubenacadie.....	20	290	....	.....	30	40	390	.....	.....
4	Shubenacadie to Grand Lake.....	33	395	.....	.....	34	60	596	.....	.....
		64	1175	2	280	78	123	1836	3	110

SESSIONAL PAPER No. 39

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State in the County of Cumberland, Province of Nova Scotia, during the year 1913-14.

Number.	Fishing Districts.	Salmon, value.	Lobsters, cwts.	Lobster, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake & Cusk, cwts.	Hake & Cusk, value.	Pollock, cwts.	Pollock, value.	Herring, cwts.	Herring, value.	Mackerel, cwts.	Mackerel, value.	Shad, cwts.	Shad, value.	Alewives, cwts.	Alewives, value.	Halibut, cwts.	Halibut, value.	Flounders, cwts.	Flounders, value.	Smelts, cwts.	Smelts, value.	Trout, cwts.	Trout, value.	Eels, cwts.	Eels, value.	Oysters, bbls.	Oysters, value.	Number.	
Cumberland County.																																		
1	Malagash, East Wallace and Fox Harbour		11775	58875									300	150												45	270							1
2	Pugwash and Gulf Shore		7062	35310									800	400												202	1212					100	500	2
3	Port Philip, Northport and Amherst Shore		1607	8035									13000	3900					16	20					265	1584							3	
4	Wallace River																		300	375					120	600							4	
5	River Philip	30																	188	235					97	485							5	
6	Maccan and Nappan	46											500	550																				6
7	Minudie to Apple River	70	400	2000									500	550			74	444																7
8	Advocate	80			800	1200	177	222	20	20	1823	1823	1500	1650							26	260												8
9	Spencers Island	80			400	600	100	125	20	20			1500	1650							20	200												9
10	Port Greville				325	487	100	125			1000	1000	200	400							10	100												10
11	Parrsboro and Two Islands	27	100	500	200	300	100	125			800	800	406	812							10	100	12	60										11
57		570	20944	104720	1725	2587	477	597	40	40	3623	3623	18706	10062	321	321	74	444	504	630	66	660	12	60	729	1151	324	1	5	600	3000			

*Cwts.=100 lbs.

THE CATCH MARKETING.
RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state, for the County of Cumberland, Province of Nova Scotia, during the year 1913-14.

Number.	Fishing Districts.	Salmon, used fresh and frozen, * cwt.	Lobsters, canned, cases	Lobsters, shipped in shell, cwt.	Cod, used fresh, cwt.	Cod, shipped green-salted, cwt.	Cod, dried, † quintals.	Haddock, used fresh, cwt.	Haddock, dried, quintals.	Hake and Cusk, used fresh, cwt.	Hake and Cusk, dried, quintals.	Pollock, used fresh, cwt.	Pollock, dried, quintals.	Herring, used fresh, cwt.	Herring, smoked, cwt.	Herring, pickled, brls.	Number.
1	Malagash, East Wallace and Fox Harbour.	...	4710	...	...	...	...	...	...	...	...	...	...	...	...	...	1
2	Pugwash and Gulf Shore	...	2823	5	...	...	...	...	...	...	...	...	...	...	...	...	2
3	Port Philip, Northport and Amherst Shore.	...	634	22	...	...	...	...	...	...	...	...	...	...	5000	...	3
4	Wallace River.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
5	River Philip	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
6	Maccan and Nappan.	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
7	Minudie to Apple River.	7	...	400	...	...	...	...	...	...	...	...	...	...	...	...	7
8	Advocate	8	...	...	336	110	86	55	43	4	6	331	520	300	...	...	8
9	Spencers Island.	8	...	...	168	55	43	25	25	4	6	...	...	860	...	...	9
10	Port Greville.	...	...	...	112	70	27	25	25	...	...	166	260	1175	...	...	10
11	Parrsboro and Two Islands.	27	...	100	56	35	17	25	25	...	...	26	200	370	...	...	11
	Totals.	57	8167	527	672	270	173	130	118	8	12	523	1040	3130	5000	54	
	Rates.	\$ 5.00	18.00	10 00	2.00	3.00	6.00	2.00	4.50	1.50	4.00	1.50	4.00	2.00	3.00	4.50	
	Values	\$ 855	147006	5270	1344	810	1038	260	531	12	48	784	4160	6260	15000	243	

* Cwt. = 100 lbs. † Quintal = 112 lbs.

THE CATCH MARKED.

RETURN showing the Quantities and Value of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state for the County of Cumberland, Province of Nova Scotia, during the year 1913-14—*Concluded.*

[illegible]

5 GEORGE V., A. 1915

THE

RETURN showing the Quantities and Values of all Fish caught and landed in a
the year

Number.	Fishing Districts.	Salmon, *cwts.	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Pollock, cwts.	Pollock, value.	Herring, cwts.	Herring, value.	Shad, cwts.
	<i>Colchester County.</i>		\$		\$		\$		\$		\$	
1	Sterling.....			1031	5155							
2	Stewiacke.....	88	880									80
3	Five Islands.....					85	170	20	20	44	44	6
4	Economy.....	55	550			40	80	15	15	41	41	
5	Little Bass River to High- land Village.....	75	750									52
6	Great Village to Queens Village.	175	1750									84
	Totals.....	393	3930	1031	5155	125	250	35	35	85	85	222

*Cwt.=100 lbs.

SESSIONAL PAPER No. 39

CATCH.

Green State in the County of Colchester, Province of Nova Scotia, during 1913-14.

Shad, value.	Alewives, cwts.	Alewives, value.	Halibut, cwts.	Halibut, value.	Smelts, cwts.	Smelts, value.	Trout, cwts.	Trout, value.	Bass, cwts.	Bass, value.	Oysters, brls.	Oysters, value.	Clams, brls.	Clams, value.	Number.
¢		¢		¢		¢		¢		¢		¢		¢	
640	550	825			80	400	2	16			135	675			1
30			10	100			2	16	3	15					2
			5	50			7	56							3
260							1	8							5
420							2	16							6
1350	550	825	15	150	80	400	21	168	3	15	135	675			

5 GEORGE V., A. 1915

THE CATCH

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in
Nova Scotia, during

Number.	Fishing Districts.	Salmon, used fresh and frozen, *cwts	Lobsters, canned, cases.	Lobsters, shipped in shell, cwts.	Cod, used fresh, cwts.	Pollock, used fresh, cwts.
	<i>Colchester County.</i>					
1	Sterling.....		412	1		
2	Stewiacke.....	88				
3	Five Islands.....				85	20
4	Economy.....	55			40	15
5	Little Bass River to Highland Village..	75				
6	Great Village to Queens Village	175				
	Totals.....	393	412	1	125	35
	Rates.....\$	15	18	10	3	1.50
	Values.....\$	5895	7416	10	375	53
	Total value.....					

* Cwts.=100 lbs.

SESSIONAL PAPER No. 39

MARKETED.

a fresh, dried, pickled, canned, &c., state, for the County of Colchester, Province of the year 1913-14.

Herring, used fresh, cwts.	Herring, smoked, cwts.	Herring, used as bait, brls.	Shad, used fresh, cwts.	Shad, salted, brls.	Alewives, used fresh, cwts.	Alewives, salted, brls.	Halibut, used fresh, cwts.	Smelts, used fresh, cwts.	Trout, used fresh, cwts.	Bass, used fresh, cwts.	Oysters, used fresh, brls.	Number.
								80	2		135	1
10	10	7	80		550				2			2
9	10	6	6				10		2		3	3
			52				5		7			4
			84						1			5
									2			6
19	20	13	222		550		15	80	21	3	135	
2	3	1.75	10		2		10	7	10	10	6	
38	60	23	2220		1100		150	560	210	30	810	
										\$18,950		

THE

RETURN showing the Quantities and Values of all Fish caught and landed in a Green state

Number.	Fishing Districts.	Salmon, *cwts.	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake and cusk, cwts.	Hake and cusk, value.
	<i>Pictou County.</i>		\$		\$		\$		\$		\$
1	West Pictou			12500	62500	115	230	70	105	100	125
2	Pictou Island.....			6930	34650	54	108	12	18		
3	Pictou Harbour.....	40	400	10	50	102	204	6	9	3	4
4	Little Harbour and East Branch, St. Mary's River.....	238	2380	1000	5000	66	132			12	15
5	Merigomish Island.....	328	3280	1120	5600	7	14				
6	Ponds.....	57	570	1775	8875	15	30				
7	Lismore	90	900			5	10				
	Totals.....	753	7530	23335	116675	364	728	88	132	115	144

*Cwt. =100 lbs.

SESSIONAL PAPER No. 39

CATCH.

in the County of Pictou, Province of Nova Scotia, during the year 1913 14.

Herring, cwts.	Herring, value.	Mackerel, cwts.	Mackerel, value.	Alewives, cwts.	Alewives, value.	Smelts, cwts.	Smelts, value.	Trout, cwts.	Trout, value.	Bass, cwts.	Bass, value.	Eels, cwts.	Eels, value.	Mixed fish, cwts.	Mixed fish, value.	Oysters, brls.	Oysters, value.	Number.
	\$		\$		\$		\$		\$		\$		\$		\$		\$	
2849	2849	5	30	20	40	78	390	2	16							60	300	1
1950	1950	45	225															2
400	400	14	70	410	615	57	285	2	16	15	75							3
						25	125											4
360	360	3	15			120	600					20	80					5
600	600	220	1100			91	455	10	80									6
960	960							5	40									7
7119	7119	287	1440	430	655	371	1855	19	152	15	75	20	80			60	300	

5 GEORGE V., A. 1915

THE CATCH

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in
Nova Scotia, during

Number.	Fishing Districts.	Salmon, used fresh and frozen, *cwts.	Lobsters, canned, cases.	Lobsters, shipped in shell, cwts.	Cod, used fresh, cwts.	Cod, dried, †Quintals.	Haddock, used fresh, cwts.
	<i>Pictou County.</i>						
1	West Pictou.		4996		85	10	70
2	Pictou Island		2772		10	15	4
3	Pictou Harbour.....	40		10	102		6
4	Little Harbour and East Branch St. Mary's.	238	396	10	30	12	
5	Merigomish Island ...	328	448		7		
6	Ponds.....	57	711		15		
7	Lismore.....	90			5		
	Total..	753	9323	20	254	37	80
	Rates.....\$	15.00	18.00	10.00	2.00	6.00	2.00
	Values..\$	11295	167814	200	508	222	160

Total value

* Cwt. = 100 lbs, † Quintal = 112 lbs.

SESSIONAL PAPER No. 39

MARKETED.

a fresh, dried, pickled, canned, etc., state, for the County of Pictou, Province of the year 1913-14.

Hadlock, dried, quintals.	Hake and Cusk, dried, quintals.	Herring, used fresh, cwts.	Herring, pickled, brls.	Herring, used as bait, brls.	Mackerel, used fresh, cwts.	Mackerel, salted, brls.	Alewives, used fresh, cwts.	Smelts, used fresh, cwts.	Trout, used fresh, cwts.	Bass, used fresh, cwts.	Eels, used fresh, cwts.	Oysters, used fresh, cwts.	Number.
	34	649	.....	1100	5	.....	20	78	2	.....	.....	60	1
3	.....	150	185	625	.....	15	.....	57	2	15	.....	.....	2
.....	1	400	.....	.....	14	.....	410	25	.....	.....	.....	.....	3
.....	12	.....	.....	.....	.....	.....	.....	120	.....	.....	20	.....	4
.....	.....	185	25	50	3	.....	.....	91	10	.....	.....	.....	5
.....	.....	50	50	180	100	40	.....	.....	5	.....	.....	.....	6
.....	.....	465	50	180	.....	.....	.....	.....	.....	.....	.....	.....	7
3	47	1899	310	2135	122	55	430	371	19	15	20	60	
4.50	4.00	2.00	4.50	1.75	7.00	12.00	2.00	7.00	10.00	10.00	5.00	6.00	
13	188	3798	1395	3737	854	660	860	2597	190	150	100	360	
										\$195,101			

THE

RETURN showing the Quantities and Values of all Fish caught and landed in a
the year

Number.	Fishing Districts.	Salmon, *cwts.	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake and Cusk, cwts.	Hake and Cusk, value.	Pollock, cwts.	Pollock, value.	Herring, cwts.
	<i>Antigonish County.</i>		\$		\$		\$		\$		\$		\$	
1	Harbour au Bouche, Linwood and Cape Jack.....	52	520	2732	13660	380	380	21	21	250	262	34	22	3193
2	Tracadie, Bayfield Monk's Head and South Side Antigonish Harbour.....	739	7390	1605	8025	147	147	12	12	26	19	.....	...	1684
3	North Side Antigonish Harbour Lakevale and South Side Cape George.....	184	1840	5135	25675	579	579	185	185	940	470	...	...	1365
4	North Side Cape George, Georgeville and Malignant Cove to Knoydart.....	133	1330	1757	8785	316	316	178	178	1120	560	.....	.....	1185
	Totals	1108	11080	11229	56145	1422	1422	396	396	2436	1311	34	22	7427

*Cwt=100 lbs.

SESSIONAL PAPER No. 39

CATCH.

Green State in the County of Antigonish, Province of Nova Scotia, during 1913-14.

Herring, value.	Mackerel, cwt.	Mackerel, value.	Smelts, cwts.	Smelts, value.	Trout, cwts.	Trout, value.	Bass, cwts.	Bass, value.	Eels, cwts.	Eels, value.	Tom cod, cwts.	Tom cod, value.	Mixed fish, cwts.	Mixed fish, value.	Squid, brls.	Squid, value.	Oysters, brls.	Oysters, value.	Number.
£		£		£		£		£		£		£		£		£		£	
1596	32	128	22	110	1	10	....	..	6	30	12	12	200	100	43	86	....	....	1
842	11	44	102	510	2	20	72	288	62	310	6	6	40	20	9	18	490	1960	2
682	10	40	79	395	4	40	....	...	10	50	...	...	30	15	6	12	....	....	3
592	112	448	....	.....	1	10	34	136	....	....	....	....	20	10	18	36	....	....	4
3712	165	660	203	1015	8	80	106	424	78	390	18	18	290	145	76	152	490	1960	

5 GEORGE V., A. 1915

THE CATCH

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in
Nova Scotia, during

Number.	Fishing Districts.	Salmon, used fresh and frozen, cwts.*	Lobster, canned, cases.	Cod, used fresh, cwts	Cod, shipped green lted, cwts.	Cod, dried, †quintals.	Haddock, used fresh, cwts.	Haddock, dried, qtls.	Hake and Cusk, used fresh, cwts.	Hake and Cusk, dried, quintals.	Pollock, used fresh, cwts.	Pollock, dried, qtls.
	<i>Antigonish County.</i>											
1	Harb. au Bouche, Linwood and Cape Jack	52	1093	80	60	60	21	.....	50	97	34	....
2	Tracadie, Bayfield, Monk Head and South Side Antigonish Harbour.	739	642	35	20	21	12	.....	26	.....	.....	.....
3	North Side Antigonish, Harbour, Lakevale and South Side Cape George.....	184	2054	250	40	83	45	47	30	300	.....	.....
4	North Side Cape George, Georgeville and Malignant Cove to Knoydart.....	133	703	96	20	60	30	49	90	340	.....	.....
	Totals	1108	4492	461	140	224	108	96	196	737	34	....
	Rates.....	\$ 15.00	18.00	2.00	3.00	6.00	2.00	4.50	1.50	4.00	1.50	....
	Value.	\$ 16620	80856	922	420	1344	216	432	294	2948	51	....
	Total Value.....											

*Cwt.=100 lbs. †Quintal=112 lbs.

SESSIONAL PAPER No. 39

MARKETED.

a fresh, dried, pickled, canned, &c., state, for the County of Antigonish, Province of the year 1913-14.

Herring, used fresh, cwts.	Herring, pickled, brls.	Herring, used as bait, brls.	Herring, used as ferti- lizer, brls.	Mackerel, used fresh, cwts.	Mackerel, salted, brls.	Shad, used fresh, cwts.	Smelts, used fresh, cwts.	Trout, used fresh, cwts.	Bass, used fresh, cwts.	Eels, used fresh, cwts.	Tom Cod, used fresh, cwts.	Mixed Fish, used fresh, qtls.	Squid, used as bait, brls.	Oysters, used fresh, brls.	Fish Oil galls.	Number.
70	44	1399	96	32	...	...	22	1	...	6	12	200	43	...	337	1
24	20	800	...	11	...	...	102	2	72	62	6	40	9	490	80	2
15	50	600	...	10	...	...	79	4	...	10	...	30	6	...	144	3
17	36	530	...	1	37	...	...	1	34	...	...	20	18	...	346	4
126	150	3329	96	54	37	...	203	8	106	78	18	290	76	490	907	
2.00	4.50	1.75	.50c	7.00	12	...	7.00	10.00	10.00	5.00	3.00	1.50	4.00	6.00	.40c	
252	675	5825	48	378	444	...	1421	80	1060	390	54	435	304	2940	363	
..... \$118,772																

THE CATCH
RETURN showing the Quantities and Values of all Fish caught and landed in a Green State in the County of Guysboro, Province of Nova Scotia, during the Year 1913-14.

Number.	Fishing Districts	Salmon * cwt.	Salmon, value.	Lobsters, cwt.	Lobsters, value.	Cod, cwt.	Cod, value.	Haddock, cwt.	Haddock, value.	Hake and Cusk, cwt.	Hake and Cusk, value.	Pollock, cwt.	Pollock, value.	Herring, cwt.	Herring, value.	Mackerel, cwt.	Mackerel, value.	Alewives, cwt.	Alewives, value.	Number.
Guysboro County.																				
1	Ecum Secum	8	80	514	2570	1361	2041	68	102	3	3	135	135	662	662					1
2	Marie Joseph	4	40	963	4815	862	1293	10	15	194	194	8	8	1056	1056					2
3	Liscomb and Spanish Ship Bay	10	100	560	2800	1537	2305	65	98	23	23	51	51	2227	2227			15	15	3
4	Gegoggin	28	280	201	1005	667	1000	33	50	3	3	20	20	625	625					4
5	St. Mary's Bay and River	154	1540	205	1040	150	225	24	36	9	9	9	9	866	866					5
6	Wine Harbour	36	360	210	1050	68	102							262	262					6
7	Port Hilford	20	200	282	1410	342	513	22	33	9	9	9	9	387	387					7
8	Holland's Harbour & Indian River	8	80	102	510	24	36							500	500	21	126			8
9	Port Beckerton	15	150	610	3050	735	1102	176	264	54	54	33	33	2065	2065	175	1050			9
10	Fisherman's Harbour	12	120	275	1375	357	536	31	47	34	34	12	12	1703	1703	100	600			10
11	Country Harbour	32	320	10	50															11
12	Isaac's Harbour	10	100	1683	8415	681	851	86	129	20	15	47	28	1911	1911	247	803			12
13	Drum Head			2420	12100	901	1126	179	268	104	78	226	135	730	730	782	2541			13
14	Seal Harbour					939	1174	130	195	2	1	283	169	280	380	200	650			14
15	Coddle's Harbour					520	650	101	151	4	3	169	101	414	414	35	114			15
16	New Harbour	4	40			1440	1800	399	598	55	41	673	403	677	677	163	530			16
17	Tor Bay			433	2165	450	563	30	45	4	3	276	165	180	180	85	276			17
18	Larry's River	2	20			1654	2067	650	975	30	22	452	271	840	840	674	2190			18
19	Charlo's Cove					1824	2280	860	1290	676	507	450	270	1059	1059	375	1219	8	8	19
20	Cole Harbour	6	60			920	1150	479	718	65	48	102	61	518	518	142	461	25	25	20
21	Port Felix			134	670	1972	2465	1000	1500	106	79	205	123	1577	1577	1073	3487	30	30	21
22	Whitehead	3	30	2393	11965	4573	5716	2500	3750	215	161	671	402	732	732	1549	5034	60	60	22
23	Raspberry and Dover			909	4545	1476	1845	350	525	87	65	102	61	100	100	76	247			23
24	Canso and Canso Tittle	320	3200	3930	19650	28384	35480	46814	70221	1918	1438	1092	655	2444	2444	4253	13822	75	75	24
25	Fox Island Maine	4	40			500	625	376	564	32	24	65	39	150	150	576	1872			25
26	Half Island Cove			371	1855	2634	2543	1256	1884	320	240	472	283	471	471	375	1219			26
27	Philip's Harbour					1003	1254	1096	1644	276	207	327	196	230	230	280	910			27
28	Queensport	28	280	1576	7880	3092	3865	1870	2805	656	492	759	455	1140	1140	2076	6747			28
29	Peas Brook					735	919	150	225	80	60	163	97	225	225	54	175			29
30	Half Way Cove					782	977	370	555	116	87	125	75	936	936	275	894			30

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31 Sandy Cove and Cook's Cove.....	60	600	375	469	140	210	56	40	210	126	358	358	300	975	34
32 Guysboro and Manchester.....	100	1000	.....	256	320	20	30	10	7	150	90	152	152	94	306	.....	.....	32
33 Port Shoreham.....	218	2180	.....	206	257	98	147	20	15	150	90	190	190	82	266	.....	.....	33
34 St. Francis.....	.....	.....	.....	325	406	172	238	15	11	41	24	240	240	156	507	.....	.....	84
35 Oyster Ponds.....	.....	.....	.....	106	134	75	113	8	6	23	13	200	200	35	114	.....	.....	35
36 Sand Point.....	.....	.....	.....	73	92	30	15	6	4	17	10	235	235	145	471	.....	.....	36
37 Middle Melford.....	.....	.....	.....	32	40	98	117	26	19	93	55	362	362	2078	6753	.....	.....	37
38 Mulgrave and Auld's Cove.....	90	800	2797	13985	13	25	38	4	3	22	13	20	20	59	192	.....	.....	38
Totals.....	1172	11720	20581	102405	61366	78234	59783	89075	5210	4007	7615	4691	26824	16535	54551	213	213	

*Cwt.=100

THE CATCH.
RETURN showing the Quantities and Values of all Fish caught and landed in a Green State in the County of Guysboro, Province of Nova Scotia, during the year 1913-14—Concluded.

Number.	Fishing Districts.	Halibut, cwts.	Halibut, value.	Soles, cwts.	Soles value.	Smelts, cwts.	Smelts, value.	Trout, cwts.	Trout, value.	Eels, cwts.	Eels, value.	Swordfish, cwts.	Swordfish, value.	Squid, brls.	Squid, value.	Clams, brls.	Clams, value.	Number.
Guysboro County.																		
1	Ecum Secum.....	11	55													6		1
2	Marie Joseph.....	56	280							25	100							2
3	Liscomb and Spanish Ship Bay.....	66	330			1	5					13	26					3
4	Gegoggin.....					1	5											4
5	St. Mary's Bay and River.....					7	35	2	20	10	40	4	8			35	35	5
6	Wine Harbour.....															12	12	6
7	Port Hilford.....					6	30			25	100							7
8	Holland's Harbour and Indian River.....							2	20							10	10	8
9	Port Beckerton.....																	9
10	Fisherman's Harbour.....	160	800									51	102					10
11	Country Harbour.....	14	70									90	180			8	8	11
12	Isaac's Harbour.....	10	60					2	4			132	396					12
13	Drum Head.....	39	234									437	1311					13
14	Seal Harbour.....	12	72									194	582					14
15	Coddle's Harbour.....	14	84					1	2	15	19	59	177					15
16	New Harbour.....	88	528			65	325					313	939					16
17	For Bay.....	20	120															17
18	Larry's River.....	30	180					3	6									18
19	Charlo's Cove.....	75	450							3	4	360	1080					19
20	Cole Harbour.....	50	300					4	8	50	62	6	18					20
21	Port Felix.....	74	444									476	1428					21
22	Whitehead.....	700	4200					6	12			1052	3156					22
23	Raspberry and Dover.....	80	480									302	906					23
24	Canso and Canso Tittle.....	4515	27090	156	234							2367	7101	851	3404			24
25	Fox Island Maine.....	3	18									472	1416					25
26	Half Island Cove.....	10	60	60	90							150	450					26
27	Philip's Harbour.....	50	300															27
28	Queensport.....	4	24					1	2									28
29	Peas Brook.....													75	300			29
30	Half Way Cove.....									3	4							30

5 GEORGE V., A. 1915

THE CATCH

RETURN showing the Quantities and Values of all Fish and Fish
the County of **Guysboro**, Province of

Number.	Fishing Districts.	Salmon, used fresh and frozen, *cwts.	Salmon, smoked, cwts.	Lobsters, canned, cases.	Lobsters, shipped in shell, cwts.	Cod, used fresh, cwts.	Cod, shipped green salted, cwts.	Cod, dried, †Quintals.	Haddock, used fresh, cwts.	Haddock, smoked, cwts.	Haddock, dried, quintals.
	<i>Guysboro County.</i>										
1	Ecum-Secum.....	8			514			455			22
2	Marie Joseph.....	4			603		150	237			3
3	Liscomb and Spanish Ship Bay	10		354	200		150	408			21
4	Gegoggin.....	28		31	24			222			11
5	St. Mary's Bay and River.....	142	6		143			50			8
6	Wine Harbour.....	36			60			22			
7	Port Hilford.....	20			84			116			7
8	Holland's Harbour & Indian River..	8			40			12			
9	Port Beckerton.....	15			260		268	66	60		35
10	Fisherman's Harbour.....	12		384	75		113	55			10
11	Country Harbour	32			10						
12	Isaac's Harbour.....	10		502	428		170	101			25
13	Drum Head			692	690		225	131			53
14	Seal Harbour.....						235	131			38
15	Coddle's Harbour.....						130	77			30
16	New Harbour.....	4					360	214			118
17	Tor Bay.....			157	41		112	67			9
18	Larry's River.....	2					413	245			194
19	Charlo's Cove.....						456	271	700		48
20	Cole Harbour... ..	6					230	128	700		48
21	Port-Félix			48	14	30	493	292	900		27
22	Whitehead	3		917	103	747	1044	680	2200		89
23	Raspberry and Dover			323	102		369	219			104
24	Canso and Canso Tittle	320		1422	375	2987	6096	4224	22206	3872	5623
25	Fox Island Main.....	4					125	74			111
26	Half Island Cove			75	186	1000	408	303	1020		70
27	Philip's Harbour.....						251	149	900		59
28	Queensport.. ..	28		604	69	750	673	459	1700		51
29	Peas Brook.....						184	109			45
30	Half Way Cove.....						195	116			109
31	Sandy Cove and Cook's Cove.....	60					93	55			42
32	Guysboro and Manchester.,	100					64	38			6
33	Port Shoreham.....	218					52	34			28
34	St. Francis.....						81	48			52
35	Oyster Ponds.....						27	16			22
36	Sand Point						18	10			9
37	Middle-Melford						8	4			28
38	Mulgrave and Auld's Cove.....	90		1115	10	460	2	1			8
	Totals.....	1160	6	6624	4031	5974	13195	9835	30386	3872	7163
	Rates..... \$	15.00	.20	18.00	10.00	2.00	3.00	6.00	2.00	3.00	4.50
	Values..... \$	17400	120	119232	40310	11948	39585	59010	60772	11616	32234

* Cwt. = 100 lbs. † Quintal = 112 lbs.

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MARKETED.

Products Marketed in a fresh, dried, pickled, canned, &c., state, for
Nova Scotia, during the year 1913-14.

Hake and Cusk, dried, quintals.	Pollock, dried, quin- tals.	Herring, pickled, brls.	Herring, used as bait, brls.	Mackerel, used fresh, cwts.	Mackerel, salted, brls.	Alewives, salted, brls.	Halibut, used fresh, cwts.	Soles, used fresh, cwts.	Smelts, used fresh, cwts.	Trout, used fresh, cwts.	Eels, used fresh, cwts.	Swordfish, used fresh, cwts.	Squid, used as bait, brls.	Clams and quahaugs, used fresh, brls.	Hair seal skins, No.	Fish oil, gals.	Number.	
1	45	194	40				11							6	4	100	1	
65	2	305	70				56				25				50	60	2	
8	17	642	150			5	66		1			13			2	116	3	
1	7	181	40						1							25	4	
3	3	250	50						7	2	10	4		35			5	
	1	67	30											12	1	12	6	
	3	100	44						6		25				3	12	7	
		100	100			7				2				10			8	
18	11	355	500			58		160				51				162	9	
12	4	334	350			33		14								86	10	
												90		8	4		11	
	16	300	537	100	49		10			2		132				170	12	
35	75	200	137	200	194		39					437				250	13	
1	94	100	67	50	57		12					194				102	14	
2	56	125	103	10	8		14			1	15	59				115	15	
18	224	175	130	10	51		88		65			313				104	16	
1	92	50	33		28		20									493	17	
10	151	250	123		225		30			3						202	18	
225	150	250	176	100	92	2	75				3	360				510	19	
55	34	163	70	10	44	8	50			4	50	6				726	20	
36	69	300	356	522	187	10	74					476				59	21	
72	224		337	1478	27	20	700			6		1052				765	22	
29	34	33	10	38	13		80					302				673	23	
639	365	50	946	4076	59	25	4515	156				2367	851			1092	24	
11	22	25	42	400	59		3					472				62	25	
107	158	55	155	272	34		10	60				150				450	26	
92	109		103	200	27		50									149	27	
215	253	50	465	2076			4			1	3		75			573	28	
27	54		10	54												296	29	
38	42		325	275												310	30	
19	72		159	300					25							270	31	
4	50		65	94					45		8	5				79	32	
7	50		83	82						2						49	33	
5	14		103	156						3	1					173	34	
3	7		90	35							1					92	35	
2	6		105	145												42	36	
9	31		158	2078							2	2						37
2	7		7	59							2	3		50				38
1782	2552	4654	6359	12820	1252	79	6081	216	150	36	143	6478	976	71	64	8379		
4.00	4.00	4.50	1.75	7.00	12.00	4.00	10.00	5.00	7.00	10.00	5.00	4.00	5.00	3.00	1.25	.40		
7128	10208	20943	11128	89740	15024	280	60810	1080	1050	360	715	25912	4880	142	80	3351		

Total Value \$645,058

THE CATCH.
Return showing the Quantities and Values of all Fish caught in a Green State in the County of Halifax, Province of Nova Scotia, during the year 1913-14.

Number.	Fishing Districts.	Salmon, cwts. *	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake and cusk, cwts.	Hake and cusk, value.	Pollock, cwts.	Pollock, value.	Herring, cwts.	Herring, value.	Mackerel, cwts.	Mackerel, value.	Shad, cwts.	Shad, value.	Number.
	Halifax County.																			
1	North Shore.....	6	72	200	1600	2800	5600	402	804	4000	4000	400	600	240	480	2325	11625	...	...	1
2	East St. Margarets	75	900	500	4000	5300	10600	2500	5000	2500	2500	460	690	1000	2000	2325	11625	...	...	2
3	Indian Harbour.....	125	1500	700	5600	7000	14000	3550	7100	5500	5500	420	630	1200	2400	3880	19400	...	...	3
4	Peggys Cove.....	75	900	160	1280	420	840	1000	2000	200	200	150	225	100	200	1600	8000	...	...	4
5	Dover.....	600	7200	1250	10000	7350	14700	6000	12000	3500	3500	425	637	1800	3600	11640	58200	...	...	5
6	Prospect.....	500	6000	420	3360	1300	2600	2400	4800	760	760	235	353	1500	3000	7760	38800	...	...	6
7	Terrence Bay.....	20	240	350	2800	6200	12400	900	1800	3500	3500	360	540	1800	3600	5430	27150	...	...	7
8	Pennant.....	20	240	150	1200	4200	8400	4025	8050	1550	1550	235	354	700	1400	775	3875	...	...	8
9	Sambro.....	20	240	210	1680	3900	7800	4200	8400	1550	1550	160	240	700	1400	775	3875	...	...	9
10	Ketch Harbour	20	240	25	200	6940	13880	1100	8200	2400	2400	250	375	800	1600	870	4350	...	...	10
11	Portuguese Cove.....	300	3600	150	1200	200	400	1500	3000	150	150	150	225	800	1600	700	3500	...	...	11
12	Herring Cove.....	126	1512	160	1280	5800	11600	4200	8400	2300	2300	170	255	900	1800	3200	16000	...	...	12
13	Fergusons Cove.....	2	24	...	...	30	60	10	20	...	...	9	14	5	10	40	200	...	...	13
14	Bedford and Grand Lake.....	14	168	...	...	35	70	10	20	...	...	9	13	7	14	40	200	222	1332	14
15	Halifax.....	...	...	...	...	2000	4000	1520	3040	50	50	110	165	20	40	25	125	...	...	15
16	Dartmouth Eastern Passage and Devils Island.....	1	12	730	5840	1784	2676	976	1464	...	...	174	174	1990	1990	191	1337	...	...	16
17	Cow Bay and Lawrencetown.....	7	84	...	...	175	263	20	30	...	...	27	27	913	913	20	140	...	...	17
18	Seaforth and Three Fathom Harb.	5	60	...	...	120	180	26	39	...	...	36	36	893	893	25	175	...	...	18
19	West Chezetcook.....	...	...	...	...	7843	11765	450	675	...	...	210	210	2606	2606	79	553	...	...	19
20	East Chezetcook.....	...	...	...	...	164	246	35	53	...	...	27	27	494	494	4	28	...	...	20
21	Petpeswick Harbour.....	...	...	129	1373	845	1268	211	316	...	...	744	744	776	776	12	84	...	...	21
22	Musquodoboit Harbour.....	84	1008	261	1742	1968	2952	421	631	...	...	1188	1188	1593	1593	20	140	...	...	22
23	Jeddore.....	4	48	1024	7458	4256	6384	483	724	30	30	1323	1323	4239	4239	44	308	...	...	23
24	Clam Harbour and Owls Head.....	10	120	1856	15342	1782	2673	204	306	231	231	111	111	2442	2442	101	707	...	...	24
25	West Ship Harbour.....	1	12	...	...	499	748	57	85	51	51	8	8	482	482	6	42	...	...	25
26	East Ship Harbour.....	...	...	...	...	567	850	78	78	27	27	81	81	1767	1767	...	...	...	...	26
27	Pleasant Harbour and Tangier.....	6	60	...	...	1716	2574	348	348	...	...	451	451	3840	3840	21	84	...	...	27
28	Pope s Harbour & Gerrard's Island.....	...	...	917	4585	1725	2587	273	273	15	15	207	207	3939	3939	39	156	...	...	28
29	Spry Bay, Taylors Head & Musha-boom	17	170	1029	5145	2850	4275	282	282	219	219	333	333	5886	5886	90	360	29

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30 Sheet Harbour and Soler Island...	25	250	75	375	1137	1705	384	384	1758	21	21	3308	3308	186	744	30
31 Beaver Harbr. and Port Dufferin.	2	20	1954	9770	459	688	24	24	21	63	63	972	972	6	24	...	...	31
32 Quoddy and Harrigan Cove.....	5	50	2221	11105	438	657	18	18	29	6	6	387	387	3	12	...	...	32
33 Moser River and Smith's Cove....	22	220	.....	.	156	234	3	3	3	6	6	465	465	3	12	...	...	33
34 Mitchell's Bay & Peum Secum....	.....	.....	1667	8335	723	1084	21	21	33	18	18	2440	2440	.....	.....	.....	.....	34
Totals.....	2096	24998	16138	105270	82682	150759	40631	78388	30380	8577	10350	51004	62573	42235	211831	222	1332	

Cwt. = 100 lbs.

THE CATCH MARKETING.

RETURNS showing the Quantities and Value of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state for the County of **Halifax**, Province of **Nova Scotia**, during the year 1913-14.

Numbers.	Fishing District.	Salmon, used fresh and frozen, * cwt.	Salmon, smoked, cwt.	Lobsters, canned, cases.	Lobsters, shipped in shell, cwt.	Cod, used fresh, cwt.	Cod, dried, 4 quin-tals.	Haddock, used fresh, cwt.	Haddock, smoked, cwt.	Haddock, dried, quintals.	Hake and Cusk, used fresh, cwt.	Hake and Cusk, dried, quintals.	Pollock, used fresh, cwt.	Pollock, dried, quintals.	Herring, used fresh, cwt.	Herring, smoked, cwt.	Herring, pickled, brls.	Herring, used as bait, brls.	Numbers.
<i>Halifax County.</i>																			
1	North Shore.....	6	2		50		930	100		101		1340		134	40			60	10
2	East St. Margarets.....	75			200	100	1733	500	300	470		835		153	100			83	320
3	Indian Harbour.....	125			275	1000	2000	1000		850		1850		140	50			107	415
4	Peggy's Cove.....	75			50	100	107	500		170		63		50	10			24	10
5	Dover.....	600			500	1000	2117	1500		1500		1170		142	100			435	200
6	Prospect.....	500		9	100	500	261	500		630		255		78	150			350	150
7	Terrence Bay.....	20		100	100	1500	1570	200		231		1150		120	25			458	200
8	Pennant.....	20			70	2500	570	1000		1000		520		80	10			215	25
9	Sambro.....	20		476	1360	500	1132	1100		1035		517		53	10			198	50
10	Ketch Harbour.....	20			20	1000	1980	1000		1030		800		84	25			192	100
11	Portuguese Cove.....	300			40		60	100		468		50		50	25			178	120
12	Herring Cove.....	126			40	1000	1600	3000		400		780		57	20			240	75
13	Ferguson's Cove.....	2											9		5				13
14	Bedford and Grand Lake.....	14											9		7				14
15	Halifax.....					2000		500	510		50		110		20				15
16	Dartmouth, Eastern Passage and Devil's Island.....																		
17	Cow Bay and Laurencetown.....	1			730	650	378	850		42				58	20	490		95	350
18	Seaforth and Three Fathom Harbour.....	7				10	55	2		6				9	3			286	10
19	West Chezetcook.....	5				6	38	2		8				12	3			289	12
20	East Chezetcook.....					13	2610	6		151				70	6			800	100
21	Petpeswick Harbour.....					2	54	2		11				9	2			157	10
22	Musquodoboit Harbour.....			12	104	26	273	25		62				248	8			240	24
23	Jeddore.....	76	4	95	72	12	652	10		137				396	5			500	44
24	Clam Harbour and Owl's Head.....	4		345	334	20	1412	8		158		10		441	5			1334	117
25	West Ship Harbour.....	4	3	496	866	6	592	6		66		77		37	6			740	110
26	East Ship Harbour.....	1				4	165	3		18		17		3	4			140	29
27	Pleasant Harbour and Tangier.....						189			26		9		27				589	10
28	Pope's Harbour and Gerrard's Island.....	6		275			572			116				151				1280	20
					247		575			91		5		69				1313	30

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29	Spry Bay, Taylor's Head and Mushaboom.	17	313	244	950	94	73	111	1926	30 29	
30	Sheet Harbour and Saber Island	20	5	75	379	128	586	7	1076	40 30	
31	Beaver Harbour and Port Dufferin.	2	.....	529	369	.....	153	.....	.....	8	.....	8	.....	21	.....	324	10 31
32	Quoddy and Harrigan Cove.	5	.....	745	536	.....	146	.....	.....	6	.....	9	.....	2	.....	129	4 32
33	Moser River and Smith's Cove.	18	4	.....	.....	.....	52	.....	.....	1	.....	1	.....	2	.....	152	3 33
34	Mitchell's Bay and Ecum Secum.	.....	.....	460	530	.....	241	.....	.....	7	.....	11	.....	6	.....	794	24 34
Totals		2069	18	3855	6912	11949	23546	11914	810	9020	50	10136	118	2820	659	490	14714	2652
Rates..		15	20	18	10	2	6	3	4	4.50	1.50	4	1.50	4	2	3	4.50	1.75
Values		31035	360	69390	69120	23898	141276	35742	3240	40590	75	40544	1.77	11280	1318	1470	66123	4641

* Cwts. — 100 lbs. † Quintal — 112 lbs.

THE CATCH MARKETING.

RETURNS showing the Quantities and Values of all Fish and Fish Products, Marketed in a fresh, dried, pickled, canned, &c., state, for the County of Halifax, Province of Nova Scotia, during the year 1913-14—*Concluded*.

Numbers.	Fishing District.	Mackerel, used fresh, cwt.	Mackerel, salted, cwt.	Shad, used fresh, cwt.	Alwives, used fresh, cwt.	Halibut, used fresh, cwt.	Flounders, used fresh, cwt.	Smelts, used fresh, cwt.	Trout, used fresh, cwt.	Albacore, used fresh, cwt.	Eels, used fresh, cwt.	Sword Fish, used fresh, cwt.	Mixed Fish, used fresh, cwt.	Squid, used as bait, brs.	Oysters, used fresh, brs.	Clams and Quahogs, used fresh, brs.	Clams and Quahogs, canned, cases.	Fish Oil, galls.	Numbers.
1	North Shore.....	825	500	.....	.....	900	3	.....	40	320	10	300	300	136	.....	75	.....	2400	1
2	East St. Margarets	1125	400	.....	100	2240	2	.....	30	310	12	100	200	100	.....	60	.....	3550	2
3	Indian Harbour.....	2400	490	.....	.....	1650	.....	.....	3	200	2	200	100	50	.....	20	.....	6500	3
4	Peggy's Cove	1375	75	.....	.....	30	.....	.....	1	70	3	150	50	25	.....	25	.....	600	4
5	Dover	8040	1200	.....	50	1800	760	.....	5	200	11	200	100	100	.....	50	.....	5800	5
6	Prospect	7160	200	.....	.....	1250	.....	.....	3	200	10	100	.....	20	.....	40	.....	4795	6
7	Terrence Bay.....	4530	300	.....	.....	1400	.....	.....	10	220	13	120	100	40	.....	27	.....	3650	7
8	Pennant	655	40	.....	.....	1000	.....	.....	8	100	2	90	.....	20	.....	10	.....	3300	8
9	Sambro	760	5	.....	.....	850	.....	.....	3	160	1	100	.....	30	.....	6	.....	3200	9
10	Ketch Harbour	510	120	.....	85	1400	.....	.....	1	180	1	240	.....	25	.....	5	.....	4500	10
11	Portuguese Cove.....	520	60	.....	.....	1000	.....	.....	2	110	4	50	.....	15	.....	15	.....	700	11
12	Herring Cove.....	2600	200	.....	.....	1300	.....	.....	1	80	6	150	.....	.....	.....	20	.....	4200	12
13	Ferguson's Cove	40	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	5	.....	16	13
14	Bedford and Grand Lake.....	40	.....	222	.....	.....	.....	.....	10	.....	9	.....	.....	.....	.....	25	.....	20	14
15	Halifax.....	25	.....	.....	.....	450	.....	.....	5	.....	2	.....	.....	.....	.....	.....	.....	43231	15
16	Dartmouth, Eastern Passage and Devil's Island	38	51	.....	8	170	50	.....	.....	11	4	115	.....	.....	.....	80	.....	710	16
17	Cow Bay and Laurencetown	5	5	.....	.....	1	10	.....	.....	.....	1	.....	.....	.....	.....	40	.....	33	17
18	Seaforth and Three Fathom Harbour	4	7	.....	.....	2	20	50	3	.....	4	.....	.....	.....	.....	180	.....	28	18
19	West Chezetcook.....	4	25	.....	.....	8	20	50	2	.....	3	.....	.....	.....	.....	1300	.....	1266	19
20	East Chezetcook .....	.....	1	.....	.....	1	18	6	4	.....	8	.....	.....	.....	.....	1400	.....	30	20
21	Petpeswick Harbour	3	3	.....	.....	12	20	2	4	.....	9	.....	.....	.....	.....	900	.....	290	21
22	Musquodoboit Harbour	2	6	.....	.....	21	20	200	7	.....	6	3	.....	.....	6	740	.....	596	22
23	Jeddore	2	14	.....	.....	43	20	3	5	5	7	13	.....	.....	.....	40	.....	900	23
24	Clam Harbour and Owl's Head	2	33	.....	4	45	22	6	5	.....	5	7	.....	.....	.....	1800	175	388	24
25	West Ship Harbour	1	2	.....	2	9	13	8	7	.....	4	.....	.....	.....	.....	20	.....	90	25
26	East Ship Harbour .....	.....	.....	.....	.....	39	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	.....	300	26
27	Pleasant Harbour and Tangier	7	30	4	5	8	609	27
28	Pope's Harbour and Gerrard's Island.....	13	16	7	5	750	28

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29	Spry Bay, Taylor's Head and Mushaboom	30	361	3	10	797
30	Sheet Harbour and Sober Island	63	16	6	4	791
31	Beaver Harbour and Port Dufferin	2	.....	15	.....	3	.....	.....	.....	.....	.....	100
32	Quod y and Harrigan Cove	1	.....	12	.....	5	.....	.....	.....	.....	.....	65
43	Moser River and Smith's Cove	1	.....	3	.....	4	.....	.....	.....	1	.....	40
34	Mitchell's Bay and Ecum Secum	.....	.....	51	.....	.....	.....	.....	.....	5	.....	127
Totals		3854	30666	15800	978	184	2163	139	1952	6	6921	51011
Rates		12	7	10	5	10	4	5	4	6	2	40
Values		46248	214662	158000	4890	1840	8664	695	7808	36	13842	20416

Total value 81,027,295

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State, in the County of **Hants**, Province of **Nova Scotia**, during the year 1913-14.

Number.	Fishing Districts.	Salmon, *cwts.	Salmon, value.	Cod, cwts.	Cod, value.	Shad, cwts.	Shad, value.	Alewives, cwts.	Alewives, value.	Trout, cwts.	Trout, value.	Bass, cwts.	Bass, value.	Clams, brls.	Clams, value.	Number.
	<i>Hants County.</i>		\$		\$		\$		\$		\$		\$		\$	
1	Hantsport to Windsor.....	17	170	3	6	15	120	300	450	36	288	...	...	20	30	1
2	Windsor to Noel.....	14	140	7	14	13	104	255	353	16	128	...	...	25	37	2
3	Maitland to Shubenacadie.....	19	190	....	....	....	....	270	405	4	32	1	5	..	..	3
4	Shubenacadie to Grand Lake	6	60	12	96	230	345	3	24	10	50	4
	Totals.....	56	560	10	20	40	320	1055	1583	59	472	11	55	45	67	

Cwts. = 1

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THE CATCH MARKETED.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state, for the County of **Hants**, Province of **Nova Scotia**, during the year 1913-14.

Number.	Fishing Districts.	Salmon, fresh and frozen, *cwts.	Cod, fresh, cwts.	Shad, fresh, cwts.	Alewives, fresh, cwts.	Trout, fresh, cwts.	Bass, fresh, cwts.	Clams & Quahogs, fresh, brls.	Number.
<i>Hants County.</i>									
1	Hantsport to Windsor.....	17	3	15	300	36	.....	20	1
2	Windsor to Noel.....	14	7	13	255	16	.....	25	2
3	Maitland to Shubenacadie.....	19	.....	.....	270	4	1	.....	3
4	Shubenacadie to Grand Lake....	6	.....	12	230	3	10	.....	4
Totals ...		56	10	40	1055	59	11	45	
Rates.....		\$ 15 00	2 00	10 00	2 00	10 00	10 00	2 00	
Values.....		\$ 840	20	400	2110	590	110	90	

Total value..... \$4,160

* Cwt. = 100 lbs.

RECAPITULATION.

OF the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., state, for **District No. 2, Province of Nova Scotia,** during the year 1913-14.

Kinds of Fish.	CAUGHT AND LANDED IN A GREEN STATE.		MARKETED.		Total Marketed Value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	\$
Salmon..... cwts.	5,635	60,388			
" used fresh..... "			5,596	83,940	
" smoked..... "			24	480	
					84,420
Lobsters..... "	93,258	490,870			
" canned..... cases.			32,873	591,714	
" shipped in shell..... cwts.			11,491	114,910	
					706,624
Cod..... "	147,694	234,000			
" used fresh..... "			19,445	39,015	
" green-salted..... "			13,605	40,815	
" dried..... "			33,815	202,890	
					282,720
Haddock..... "	101,375	169,188			
" used fresh..... "			42,618	97,150	
" smoked (finnans)..... "			4,632	14,856	
" dried..... "			16,400	73,800	
					185,806
Hake and Cusk..... "	38,211	35,882			
" " used fresh..... "			254	381	
" " dried..... "			12,714	50,856	
					51,237
Pollock..... "	19,914	18,721			
" used fresh..... "			710	1,065	
" dried..... "			6,412	25,648	
					26,713
Herring..... "	111,165	110,375			
" used fresh..... "			5,833	11,666	
" smoked..... "			5,510	16,530	
" pickled... brls.			19,882	89,469	
" used as bait..... "			16,660	29,155	
" used as fertilizer..... "			596	298	
					147,118
Mackerel..... cwts.	59,225	268,503			
" used fresh..... "			43,665	305,658	
" salted..... brls.			5,198	62,376	
					368,034
Shad..... cwts.	558	3,446			
" used fresh..... "			506	5,060	
" salted..... brls.			19	285	
					5,345
Alewives..... cwts.	3,001	4,390			
" used fresh..... "			2,365	4,730	
" salted..... brls.			211	844	
					5,574
Halibut, used fresh..... cwts.	21,962	146,311	21,962		219,620
Flounders..... "	990	1,420	990		4,950
Smelts..... "	1,933	10,321	1,933		13,531
Trout..... "	330	2,437	330		3,300
Soles..... "	216	324	216		1,080
Albacore..... "	2,166	2,740	2,166		8,664
Bass..... "	135	569	135		1,350
Eels..... "	381	1,551	381		1,905
Tom Cod..... "	18	18	18		54
Swordfish..... "	8,430	25,104	8,430		33,720
Mixed fish..... "	1,140	570	1,140		1,710

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RECAPITULATION.

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., state, for District No. 2, Province of Nova Scotia, during the year 1913-14.

Kinds of Fish.	CAUGHT AND LANDED IN A GREEN STATE.		MARKETED.		Total Marketed Value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	\$
Squid..... brls.	1,613	5,459	1,613		7,428
Oysters..... "	1,291	5,965	1,291		7,746
Clams..... "	7,212	7,693			
" used fresh..... "			7,037	14,074	
" canned..... cases.			175	788	
					14,862
Hair Seal Skins..... No.			64		80
Fish Oil..... galls.			60,327		24,130
Totals.....		1,606,245			2,207,721

RECAPITULATION.

Of the Number of Fishermen, etc., and of the Number and Value of all Fishing Vessels, Boats, Nets, etc., in District No. 2, Province of Nova Scotia, for the year 1913-14.

	Number.	Value.
		\$
Sailing and Gasoline Vessels.....	145	117,500
Boats (sail).....	3,848	136,536
" (gasoline).....	1,114	206,104
Carrying Smacks.....	82	45,385
Gill Nets, Seines, Trap and Smelt Nets, etc.....	32,856	378,573
Weirs.....	17	1,110
Trawls.....	4,116	51,699
Hand Lines.....	8,937	6,427
Lobster Traps.....	327,978	286,781
" Canneries.....	93	135,785
Freezers and Ice-houses.....	116	177,835
Smoke and Fish-houses.....	1,723	233,109
Fishing Piers and Wharves.....	808	194,477
Total value ..		1,971,321

Number of men employed on Vessels.....	651
" " Boats.....	4,469
" " Carrying Smacks.....	120
" persons employed in Fish-houses, Freezers, Canneries, &c....	1,983
Total.....	7,223

DISTRICT No. 3.

RETURN showing the Number of Fishermen, &c., the Number and Value of Vessels and Boats, and the Quantity and Value of all Fishing Gear, &c., used in the Fishing Industry, in the County of Lunenburg, Province of Nova Scotia, during the year, 1913-14.

Number.	Fishing Districts.	Vessels, Boats and Carrying Smacks.										Fishing Gear.	
		Sailing and Gasoline Vessels.					Boats.					Gill Nets, Seines, Trap & Smelt Nets, &c.	Number.
		(40 tons and over.) Number	(20 to 40 tons.) No.	(10 to 20 tons.) No.	Value.	Men.	Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.
					\$			\$		\$		Number.	Value.
1	Fox Point.....						100	2200	4	1000	50	157	5000
2	Mill Cove.....						125	3000			50	175	3800
3	Lodge and N.W. Cove.....						60	1500	2	600	30	130	3900
4	Aspotogan.....						30	1000	3	1000	20	95	3700
5	Dayswater, Blandford and Deep Cove.....						170	5000	10	3500	65	340	7200
6	Chester Bay.....						80	2500	4	1200	50	100	4800
7	Malone Bay and Martin's River.....						110	2500	5	1500	25	143	2130
8	Tancooks.....						250	18000	30	9000	150	750	13650
9	Lunenburg Harbour to Kingsbury.....						103	3749			155	828	18880
10	LaHave River and Islands.....						143	5205			164	1156	11000
11	Petite Rivière to Vogler's Cove.....						72	2620			108	680	6440
	Totals.....	118	1	70	1243389	3779	1243	47274	58	17800	867	4554	80500

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RETURN showing the Number of Fishermen, &c., the Number and Value of Vessels and Boats, and the Quantity and Value of all Fishing Gear, &c., used in the Fishing Industry, in the County of Lunenburg, Province of Nova Scotia, during the year 1913-14.

Number.	Fishing Districts.				Fishing Gear.				Canneries.		Other Material.				Persons employed in Canneries, Freezers, and Fish-houses.		
	Trawls.		Hand Lines.		Lobster Traps.		Lobster Canneries.	Freezers and Ice-houses.	Smoke and Fish-houses.	Fishing Piers and Wharves.	Canneries.						
	Number.	Value.	Number.	Value.	Number.	Value.											
Lunenburg County.																	
1	50	750	100	50	1000	1000	1	200	15	1000	5	500	1	500			
2	60	1000	100	50	1000	1000	1	200	18	720	5	500	2	500			
3	30	450	75	35	1500	1500	1	600	20	800	15	600	3	600			
4	5	75	40	20	2000	2000	1	600	8	400	7	350	20	350			
5	50	1200	300	150	3500	3500	1	100	60	2000	25	1200	5	1200			
6	3	90	25	12	1500	1500	1	600	10	400	8	800	20	800			
7	65	2600	30	15	1000	1000	1	200	30	5500	25	6000	75	5500			
8	180	3100	600	300	4000	4000	1	100	60	2500	40	1600	20	2500			
9	367	10152	440	220	5430	5430	1	600	199	29850	12	175000	14	175000			
10	396	10692	.....	.....	6480	6480	2	1200	190	28500	6	52000	10	28500	
11	16	432	.....	.....	4225	4225	1	600	42	6300	.....	.....	10	6300
Totals.....															169		
															148	238550	169

RETURN showing the Number of Fishermen, etc., the Number and Value of Vessels and Industry in the County of **Queens**, Province of

Number.	Fishing Districts.	Vessels, Boats and Carrying Smacks.															
		Steam Vessels.				Sailing and Gasoline Vessels.				Boats.					Carrying Smacks.		
		Number.	Tons.	Value.	Men.	(20 to 40 tons.) Number.	(10 to 20 tons.) Number.	Value.	Men.	Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Men.
Queens County.																	
1	Port Medway.....					6	2600	21	26	2050	16	2900	120				
2	Mill Village.....								18	216			36				
3	Greenfield.....								14	260							
4	Liverpool, Western Head and Brooklyn.....				1	2	6000	18	10	500	50	7500	75				
5	Gull Islands, White and Hunt's Point, Summerville...								11	550	26	3900	65				
6	Port Mouton & S.W.P. Mouton.	2	45	8000	6		3	1500	10	10	500	25	3750	75	6	18000	18
7	Port Joli, Port L'Hébert, Sandy Bay.....										28	4200	55				
8	East and West Berlin, Beach Meadows and Eastern Head..					1	500	3	20	1600	10	1500	85	1	500		
Totals.....		2	45	8000	6	1	12	10600	52	109	5076	155	23750	511	7	18500	20

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Boats, and the Quantity and Value of all Fishing Gear, etc., used in the Fishing Nova Scotia, during the year 1913-14.

Fishing Gear.								Other Material.								Persons employed in Canneries, Freezers and Fish-houses.	Number.
Gill Nets, Seines, Trap & Smelt Nets, etc.		Trawls.		Hand Lines.		Lobster Traps.		Lobster Canneries.		Freezers and Ice-houses.		Smoke and Fish- houses.		Piers and Wharves.			
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		
	\$		\$		\$		\$				\$		\$		\$		
349	2940	20	80	250	150	4200	4200	1	1800	3	250	68	1750	20	750	20	1
50	300	.....	.....	.....	.....	.....	.....	.....	.....	4	160	20	200	12	140	.....	2
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	250	15	200	.....	.....	.....	3
30	15000	250	1000	300	225	8000	8000	1	2000	2	6000	60	3000	6	500	3	4
.....	.....	150	600	250	187	7500	7500	.....	.....	.....	.....	50	2500	4	200	.....	5
6	3000	300	1200	350	262	10000	10000	4	8000	2	1000	25	1250	8	2000	51	6
1	500	100	400	200	150	5000	5000	1	500	.....	.....	10	500	2	500	.....	7
2	1000	200	800	250	187	7500	7500	1	500	1	500	25	1250	2	500	.....	8
438	22740	1020	4080	1600	1161	42200	42200	8	12800	17	8160	273	10650	54	4590	74	

RETURN showing the Number of Fishermen, etc., the Number and Value of Vessels and Boats, and the Quantity and Value of all Fishing Gear, etc., used in the Fishing Industry in the County of **Shelburne**, Province of **Nova Scotia**, during the year 1913-14.

Vessels, Boats and Carrying Snacks.																				
Fishing Districts.				Steam Vessels.				Sailing and Gasoline Vessels.				Boats.				Carrying Snacks.				
Number.				Number.	Tonnage.	Value.	Men.	(40 tons and over) Numb.	(20 to 40 tons) Number.	(10 to 20 tons) Number.	Value.	Men.	Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Men.
Shelburne County.																				
1	Woods Harbour								1		500	8	5	875	110	22000	198			1
2	Shag Harbour and Bear Point									3	500	11	27	1050	45	11500	117	4	1000	6
3	Cape Island									12	4300	67	46	5500	218	52500	545	4	400	12
4	Barrington									2	325	8	3	30	10	2500	20			
5	Port La Tour and Baccaro									12	2135	46	45	575	47	8180	145	2	350	4
6	Cape Negro and Blanche												23	555	28	5000	85			
7	Port Saxon, Clyde Riv. N.E. and N.W. Harb.												56	634	8	1200	40			
8	Black Point, Red Head and Round Bay												46	700	10	1500	40			
9	Roseway, Carleton Village and McNutt Id.									3	2000	7	82	1130	33	4860	115	1	200	2
10	Gunning Cove, Churchover and Birchtown									1	200	2	35	375	10	1500	45			10
11	Shelburne and Sandy Point							2	4	5	15500	86	95	1000	36	11000	200			11
12	Jordan East and West							1		1	2500	9	42	346	31	5950	80	1	200	2
13	Lockeport				50	11000	8	5	5	15	45000	164	196	3755	67	10000	330	3	1900	9
Totals				2	50	11000	8	8	9	54	72960	408	681	16525	653	137690	1960	15	4050	35

RETURN showing the Number of Fishermen, etc., the Number and Value of Vessels and Boats, and the Quantity and Value of all Fishing Gear, etc., used in the Fishing Industry in the County of Shelburne, Province of Nova Scotia, during the year 1913 14—*Cont.*

Fishing Districts.	Fishing Gear.				Lobster Canneries.		Other Material.				Persons Employed in Canneries, Freezers and Fish-houses.	Number.		
	Trawls.		Hand Lines.		Lobster Traps.		Freezers and Ice Houses.		Smoke and Fish Houses.				Fishing Piers and Wharves.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.			Number.	Value.
Shelburne County.														
1 Woods Harbour.....	347	3160	10	20	14795	14795	6	4000	15	3000	23	4500	122	96
2 Shag Harbour and Bear Point.....	273	1638	11	22	8485	8485	2	700	33	2754	18	3350	23	27
3 Cape Island.....	1865	15685	395	790	50100	50100	4	3150	37	7500	37	7000	157	157
4 Barrington.....	28	150	50	50	2000	2000	1	500	87	3500	6	1300	54	54
5 Port La Tour and Baccaro.....	343	3295	62	121	6180	6180	1	150	4	800	7	1000	36	36
6 Cape Negro and Blanche.....	310	2295	52	195	5000	5000	1	150	24	240	11	260	7	7
7 Port Saxon, Clyde-Riv. and N.E. & N.W. Harb.	37	595	40	280	715	715	1	200	55	1550	11	500	8	8
8 Black Point, Red Head and Round Bay.....	300	2560	40	280	4000	4000	1	200	90	2000	34	2550	3	3
9 Roseway, Carleton Village and McNutt Hd..	400	2400	88	616	4300	4300	1	200	25	1800	15	1500	10	10
10 Gunning Cove, Churchover and Birchtown ..	193	824	20	140	1000	1000	1	200	56	5600	40	2000	11	11
11 Shelburne and Sandy Point.....	709	5248	544	3808	3000	3000	1	200	67	3000	41	1000	6	6
12 Jordan, East and West.....	355	2564	50	350	2937	2937	2	300	41	3450	69	57200	13	13
13 Lockeport.....	773	9019	716	4892	9000	9000	2	6500	41	3450	69	57200	13	13
Totals.....	5933	49433	2028	11517	2821	111512	19	15500	534	35194	312	82160	529	529

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RETURN showing the Number and Value of Vessels and Boats, and the Quantity and Yarmouth, Province of Nova Scotia,

Number.	Fishing Districts.	Vessels, Boats and Carrying Smacks.																
		Steam Vessels.				Sailing and Gasoline Vessels.				Boats.				Carrying Smacks.				
		Number.	Value.	Value.	Men.	(40 tons and over.) No.	(20 to 40 tons.) Number.	(10 to 20 tons.) Number.	Value.	Men.	Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Men.
<i>Yarmouth County.</i>		\$						\$			\$		\$			\$		
1	Port Maitland.. . . .						4	1500	13	3	1200	48	14400	108				
2	Sandford.....									12	180	36	10800	92	1	350	3	
3	Yarmouth.....	6	180	22000	26	4	2	6	19300	116	11	1100	83	24900	165			
4	Arcadia.....									5	300	30	9000	65				
5	Pinkney's Point.....									6	350	32	9600	62				
6	Comeau Hill.							2	700	7	12	540	61	18300	146	2	600	4
7	Wedgeport.....	3	70	11000	18		1	2	1200	9	10	425	110	33000	240	2	600	5
8	Salmon River.....									20	115			23				
9	Tusket.							1	300	2	101	606		105				
10	Eel Brook.....									11	132	3	800	16				
11	Argyle.....							5	1700	17	9	150	35	11500	79			
12	Pubnicoes.					4	2	12	23300	143	19	285	67	20100	166	2	600	1
	Totals.....	9	250	33000	44	8	5	32	48000	307	219	5383	505	152400	1267	7	2150	16

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Value of all Fishing Gear, etc., used in the Fishing Industry in the County of during the year 1913-14.

Fishing Gear.										Can- neries.		Other Material.									
Gills Nets, Seines, Trap and Smelt Nets, etc.		Weirs.		Trawls.		Hand Lines.		Lobster Traps.		Lobster Canneries.		Freezers and Ice Houses.		Smoke and Fish Houses.		Fishing Piers and Wharves.		Persons employed in canneries, Freezers and Fish-Houses.			
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		
	\$		\$		\$		\$		\$		\$		\$		\$		\$		\$		
196	3475	..	.....	80	400	85	85	8100	8100	3	1800	1	150	10	1300	1	1200	65	1
187	7920	..	.....	60	300	80	80	6100	6100	1	900	1	150	4	1000	1	100	50	2
419	4268	..	.....	150	750	760	760	14095	14095	3	3200	4	5000	20	20000	15	220000	350	3
131	661	..	.....	12	60	25	25	6450	6450	2	1200	.....	.....	.....	.....	2	1200	35	4
170	850	..	.....	15	75	45	45	4000	4000	.....	.....	.....	.....	3	150	2	400	5	5
260	1300	1	500	40	200	260	260	12400	12400	3	3000	.....	.....	5	3000	3	2400	75	6
421	4100	6	2000	20	100	500	500	19100	19100	3	3600	1	400	25	2000	7	7700	100	7		
42	240	1	300	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8
379	1965	5	1500	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22	1950	2	1000	36	9
92	448	.....	.....	.....	.....	.....	.....	350	350	.....	.....	.....	.....	.....	.....	2	600	.....	10
207	1042	..	....	20	100	20	20	5050	5050	1	100	.....	.....	7	500	2	1200	10	11
412	3290	..	.....	15	75	380	380	12900	12900	5	4500	3	1400	33	4300	6	6000	135	12
2916	29559	13	4300	412	2060	2155	2155	88545	88545	21	18300	10	7100	129	34200	43	241800	861			

5 GEORGE V., A. 1915

RETURN showing the Number of Fishermen, &c., the Number and Value of Vessels and Industry in the County of Digby, Province

Number.		Fishing Districts.	Vessels, Boats and Carrying Smacks.															Gill Nets, Seines, Trap and Smelt Nets, etc.			
			Steam Vessels.				Sailing and Gasoline Vessels.					Boats.					Carrying Smacks.				
			Number.	Tons.	Value.	Men.	Number.	Number.	Number.	Value.	Men.	Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Men.	Number.	Value.
				\$				\$				\$				\$			\$		
1		Digby and vicinity.....	..	..	..	..	5	..	2	37000	140	..	..	10	3900	20	2	1500	2	.....	.....
2		Bay View and Cullo- den.....	..	..	..	..	..	..	..	..	..	12	600	17	3400	58	..	..	..	34	340
3		Gullivers Cove to Wat- erford.....	..	..	..	..	..	..	..	..	15	750	16	3200	38	..	..	..	74	740	
4		Centerville.....	1	32	6000	5	..	..	1	1200	2	25	500	25	10000	60	1	400	2	50	400
5		Sandy Cove and Mink Cove.....	..	..	..	..	..	1	..	1000	3	20	410	16	4000	50	1	200	2	55	1290
6		Little River and Whale Cove....	..	..	..	..	..	..	1	1000	2	30	800	22	6600	50	2	1700	4	51	600
7		Teddville and East Ferry.....	..	..	..	..	..	..	..	..	17	650	18	4500	53	..	..	..	68	680	
8		Tiverton and Central Grove.....	..	..	..	..	..	2	..	2500	6	20	600	75	22500	180	2	1200	4	202	2200
9		Freeport.....	..	..	..	..	3	..	..	6000	45	75	1000	60	18000	150	4	5000	12	130	1300
10		Westport .....	..	..	..	..	..	1	..	700	3	50	500	65	19500	154	1	1000	2	250	2500
11		Smith's Cove and Brighton.....	..	..	..	..	..	..	..	..	..	33	650	8	1500	37	..	..	..	8	80
12		Plympton to Wey- mouth .....	..	..	..	..	..	..	..	..	..	16	320	20	5000	50	..	..	..	104	1040
13		New Edinburgh .....	..	..	..	..	..	..	..	..	..	5	70	20	5000	50	..	..	..	110	1100
14		Belle View and White Cove.....	..	..	..	..	..	..	..	..	..	14	280	17	4250	62	..	..	..	75	750
15		Grosse Coque ..	..	..	..	..	..	..	..	..	..	4	80	10	2500	28	..	..	..	15	150
16		Church Point.....	..	..	..	..	..	3	1000	15	10	200	5	1200	30	..	..	..	20	200	
17		Little Brook and Co- meauville .....	..	..	..	..	..	1	1200	5	26	390	18	4500	88	..	..	..	4	40	
18		Saulnierville.....	..	..	..	..	..	..	..	..	12	180	8	1600	40	..	..	..	10	100	
19		Meteghan River.....	..	..	..	..	..	..	..	..	9	320	5	1250	30	..	..	..	20	200	
20		Meteghan .....	..	..	..	..	2	1	1000	15	20	400	8	1650	56	1	1800	3	40	400	
21		Comeau's Cove.....	..	..	..	..	..	..	..	..	9	180	5	1250	28	..	..	..	10	100	
22		Bear Cove.....	..	..	..	..	..	..	..	..	20	300	11	2750	62	..	..	..	20	200	
23		Cap St. Mary's .....	..	..	..	..	..	11	4300	56	10	500	43	10750	106	1	400	2	100	1000	
24		Salmon and Beaver River.....	..	..	..	..	..	..	..	..	15	360	5	1000	40	..	..	..	20	200	
		Totals	1	32	6000	5	8	5	21	56900	292	467	9980	507	139800	1520	15	13200	33	1470	15610

SESSIONAL PAPER No. 39

Boats, and the Quantity and Value of all Fishing Gear, &c., used in the Fishing of Nova Scotia, during the year 1913-14.

Fishing Gear.								Canneries.				Other Material.						Persons employed in Canneries, Freezers and Fish-houses	Number.
Weirs		Trawls.		Hand lines.		Lobster Traps.		Lobster Can- neries.		Salmon Can- neries.		Freezers and Ice-houses.		Smoke and Fish- houses.		Fishing- Piers and Wharves.			
Number	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		
	\$		\$		\$		\$		\$		\$		\$		\$		\$		
5	1125	450	3050	25	25	1500	1500	..	.....	.....	.....	9	11400	30	40000	12	31800	150	1
..	....	78	546	20	20	2000	2000	..	.....	.....	.....	.....	.....	6	200	.....	.....	.....	2
1	500	96	672	50	50	2000	2000	..	.....	.....	.....	.....	.....	7	300	.....	.....	.....	3
..	.....	200	1400	25	25	1500	1500	1	27000	..	.....	5	500	22	4700	1	500	75	4
2	1390	66	462	45	45	1600	1600	1	1500	.....	.....	8	1500	13	1800	.....	.....	.....	5
..	.....	150	1050	25	25	2000	2000	4	12000	.....	.....	4	600	20	2700	15	10000	45	6
..	.....	74	518	320	320	1600	1600	..	.....	.....	.....	1	25	13	700	3	500	.....	7
..	.....	750	5250	500	500	4500	4500	1	1500	.....	.....	2	900	47	7500	24	20000	100	8
1	700	324	2268	155	155	3000	3000	..	.....	.....	.....	4	750	73	8300	26	4100	15	9
..	.....	275	1925	300	300	3500	3500	..	.....	.....	.....	5	1500	24	3110	35	11600	25	10
7	2100	15	105	36	36	200	200	..	.....	.....	.....	3	75	7	300	.....	.....	.....	11
2	600	80	560	106	106	1100	1100	..	.....	.....	.....	4	205	17	500	5	2000	.....	12
1	150	175	1050	50	50	2000	2000	1	300	.....	.....	.....	.....	9	1200	.....	.....	10	13
1	800	150	900	50	50	400	400	..	...	1	1800	.....	.....	18	1140	.....	.....	25	14
4	600	40	240	10	10	400	400	1	800	.....	.....	.....	.....	4	200	.....	.....	18	15
..	.....	25	150	60	60	750	750	..	.....	1	1000	.....	.....	10	850	.....	.....	25	16
..	.....	12	72	100	100	2400	2400	1	500	.....	.....	.....	.....	20	800	..	.....	25	17
..	.....	.....	.....	80	80	1800	1800	..	.....	.....	.....	.....	.....	24	960	.....	.....	.....	18
2	300	20	120	40	40	1000	1000	..	.....	.....	.....	.....	.....	3	300	.....	.....	.....	19
..	.....	.....	.....	80	80	2100	2100	1	400	.....	.....	.....	.....	10	200	.....	.....	20	20
..	.....	.....	.....	65	65	1700	1700	..	.....	.....	.....	.....	.....	7	175	.....	.....	.....	21
..	.....	20	120	100	100	2000	2000	..	.....	.....	.....	.....	.....	10	250	.....	.....	.....	22
..	.....	20	120	400	400	5000	5000	2	900	.....	.....	.....	.....	35	875	.....	.....	80	23
..	.....	...	.....	40	40	400	400	..	.....	.....	.....	.....	.....	3	45	.....	.....	...	24
26	8175	3020	20578	2682	2682	44450	44450	13	44900	2	2800	45	17455	432	78855	121	80500	613	

5 GEORGE V., A. 1915

RETURN showing the Number of Fishermen, etc., the Number and Value of Vessels and Industry in the County of Annapolis,

Number.	Fishing Districts.	Vessels, Boats and Carrying Smacks.									
		Sailing & Gasoline Vessels.					Boats.				
		(40 tons and over) Number.	(20 to 40 tons) Number.	(10 to 20 tons) Number.	Value.	Men.	Sail.	Value.	Gasoline	Value.	Men.
					\$			\$		\$	
1	Margaretsville.....						7	140	8	2000	27
2	Port George....						36	750	8	1400	50
3	Port Lorne.....						6	150	2	400	16
4	Hampton.....						8	400			8
5	Phinney's Cove.....						30	600	8	2000	60
6	Parkers Cove.....						30	600	20	4000	66
7	Hilsburne.....	1	1		2500	24	25	500	10	2000	40
8	Litchfield.....						8	200	15	3000	45
9	Port Wade.....	3	2	1	7400	65	10	200	7	1400	20
10	Victoria Beach						40	800	45	9500	110
11	Deep Brook and Clementsport.....						8	200	6	1400	20
12	Annapolis, Lequille and NictEAU Rivers.....						40	600			
	Totaux....	4	3	1	9900	89	248	5140	129	27100	462

RETURN showing the Number of Fishermen, etc., the Number and Value of Vessels Industry in the County of Kings,

Number.	Fishing Districts.	Vessels, Boats and Carrying Smacks.								
		Sailing and Gasoline Vessels.				Boats.				
		(40 tons and over) Number.	(20 to 40 Tons) Number.	Value.	Men.	Sail.	Value.	Gasoline.	Value.	Men.
				\$			\$		\$	
1	Morden and vicinity.....					6	120	5	1400	22
2	Victoria Harbour and Ogilvie Wharf.....					3	60			6
3	Harbourville.....		13	1950	52	2	4	2	500	9
4	Canada Creek.....					5	75	2	250	15
5	Chipman's Brook and Hunting Point.....		12	6000	36	2	30	1	150	6
6	Hall's Harbour.....	41		6000	82	4	60	4	600	19
7	Race Point and Sheffield Vault.....					1	20			3
8	Baxters Harbour.....					9	135	1	250	21
9	Whalen Beach & Wells Cove.....					2	30			4
10	Scotts Bay.....					4	100	3	500	16
11	Blomidon and Kingsport.....					2	40	2	300	8
12	Starr's Point to Wolfville.....									
13	Upper Gaspereau and all inland waters.....					12	150			24
	Totals.....	41	25	13950	170	52	824	20	3950	153

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Boats, and the Quantity and Value of all Fishing Gear, etc., used in the Fishing Province of Nova Scotia, during the year 1913-14.

Fishing Gear.										Other Material.						Persons employed in canneries, freezers and fish houses.	Number.
Gill Nets, Seines, Trap & Smelt Nets, &c.		Weirs.		Trawls.		Hand Lines.		Lobster Traps.		Freezers and Ice-houses.		Smoke and Fish-houses.		Fishing Piers and Wharves.			
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		
	£		£		£		£		£		£		£		£		
20	200	2	400	5	125	100	100	100	100	3	200	10	1000	2	1000	..	1
40	400	2	200	40	450	200	200	500	500	9	450	15	750	.....	.....	..	2
25	250	1	100	10	120	100	100	300	300	1	50	10	500	.....	.....	.....	3
10	100	2	200	8	200	35	35	300	300	2	100	4	400	.....	.....	.....	4
75	750	1	200	50	1200	200	200	1600	1600	..	..	20	600	.....	.....	.....	5
60	600	..	..	150	1800	200	200	2000	2000	1	200	30	2500	1	1000	.....	6
40	400	..	..	150	1800	100	100	600	600	2	2000	6	1000	1	500	30	7
30	300	1	200	149	1600	60	60	1200	1200	1	100	12	1200	.....	.....	.....	8
..	..	1	200	500	12500	25	25	400	400	1	400	10	3000	3	3000	10	9
25	250	..	..	150	3700	200	200	2500	2500	1	700	40	2000	10	2000	30	10
4	40	5	800	5	125	25	25	..	..	1	1500	10	1500	6	1200	..	11
..	..	3	300	..	..	..	..	..	..	10	500	..	..	10	1000	10	12
329	3290	18	2000	1208	23620	1245	1245	9500	9500	32	6200	167	14450	33	9700	80	

and Boats, and the Quantity and Value of all Fishing Gear, etc., used in the Fishing Province of Nova Scotia, during the year 1913-14.

Fishing Gear.										Other Material.						
Gill Nets, Seines, Trap & Smelt Nets, &c.		Weirs.		Trawls.		Hand Lines.		Lobster Traps.		Freezers and Ice houses.		Smoke and Fish- houses.		Fishing Piers and Wharves.		
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.
	£		£		£		£		£		£		£		£	
5	50	4	800	..	..	30	30	60	60	3	75	4	100	1	5000	1
6	60	2	400	..	..	8	8	..	..	1	15	1	20	1	7000	2
4	40	3	600	..	..	12	12	..	..	2	40	2	50	1	12000	3
10	100	2	500	..	..	20	20	220	220	3	50	6	120	1	8000	4
9	90	3	700	4	20	10	10	100	100	1	20	3	45	1	5000	5
18	180	2	500	10	50	25	25	100	100	4	80	5	100	1	10000	6
..	..	2	400	..	..	5	5	..	..	2	30	2	40	..	..	7
15	150	2	400	5	25	30	30	50	50	1	15	5	75	1	4000	8
..	..	1	200	..	..	8	8	..	..	..	..	1	20	..	..	9
8	80	6	1500	7	35	25	25	100	100	5	100	7	200	1	5000	10
2	20	1	200	..	..	12	12	..	..	1	15	2	40	1	10000	11
..	..	1	300	..	..	..	..	..	..	..	..	..	..	1	10000	12
35	270	3	800	..	..	..	..	..	..	..	..	..	..	..	..	13
112	1040	32	7300	26	130	185	185	630	630	23	440	38	810	10	76000	

THE

RETURN showing the Quantities and Values of all Fish caught and landed in a
the year

Number.	Fishing Districts.	Salmon, cwts.	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake and Cusk, cwts.	Hake and Cusk, value.
	<i>Lunenburg County.</i>		\$		\$		\$		\$		\$
1	Fox Point.....			123	984	116	232	20	30	30	30
2	Mill Cove.....			191	1528	241	482	30	45	60	60
3	Lodge and N.W. Cove.....			192	1536	65	130	30	45	270	270
4	Aspotogan.....			626	5008						
5	Bayswater, Blandford and Deep Cove.....			813	6504	1505	3010	300	450	336	336
6	Chester.....	14	291	2835	22680	46	92	35	53	20	20
7	Martins River and Mahone Bay.....	6	107			30150	60300	4230	6345	3700	3700
8	Tancooks.....			905	7240	2220	4440	546	818	315	315
9	Lunenburg Harbour to Kingsbury.....			3353	26824	217452	434904	24125	36187	16350	16350
10	La Have River.....	91	1511	3353	26824	209952	419904	19570	29355	16350	16350
11	Petite Rivière to Vogler's Cove.....			2613	26130	7500	15000	4500	6750		
	Totals.....	111	1909	15004	125258	469247	938494	53386	80078	37431	37431

Cwt. =100 lb.

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CATCH.

Green State in the County of Lunenburg, Province of Nova Scotia, during 1913-14.

Pollock, cwts.	Pollock, value.	Herring, cwts.	Herring, value.	Mackerel, cwts.	Mackerel, value.	Alewives, cwts.	Alewives, value.	Halibut, cwts.	Halibut, value.	Albacore, cwts.	Albacore, value.	Sword-Fish, cwts.	Sword-Fish, value.	Squid, brls.	Squid, value.	Scallops, brls.	Scallops, value.
	¢		¢		¢		¢		¢		¢		¢		¢		¢
93	93	370	185	6969	27207	.....	.....	.....	.....	75	75	70	275	.....	.....	.....	.....
285	285	36	18	2500	9375	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	200	112	897	3111	.....	.....	.....	.....	6	6	32	160	.....	.....	.....	.....
.....	.....	405	255	1419	4284	.....	.....	.....	.....	.....	.....	180	506	.....	.....	.....	.....
30	30	1815	1545	1809	5517	.....	.....	31	155	.....	.....	250	1000	.....	.....	.....	.....
.....	.....	770	460	740	2220	75	75	1	5	.....	.....	.....	.....	15	60	.....	.....
.....	.....	90	45	495	1485	14	14	90	450	.....	.....	.....	.....	.....	.....	.....	.....
630	630	15920	15520	1650	5070	.....	.....	16	80	.....	.....	710	3231	.....	.....	1345	4035
.....	.....	1926	1926	1301	6525	.....	.....	616	3080	.....	.....	471	2355	.....	.....	.....	.....
.....	.....	1926	1926	1291	6455	.....	.....	616	3080	.....	.....	471	2355	.....	.....	.....	.....
.....	.....	1926	1926	1291	6455	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1038	1038	25384	24918	20362	77704	89	89	1370	6850	81	81	2184	9882	15	60	1345	4035

THE CATCH MARKETING.

RETURN showing the Quantities and Value of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for the County of Lunenburg, Province of Nova Scotia, during the year 1913-14.

Number.	Fishing Districts.											Herring, used as bait, bbls.	Herring, pickled, bbls.	Pollock, dried, quintals.	Hake and Cusk, dried, quintals.	Haddock, dried, quintals.	Haddock, used fresh, cwt.	Cod, dried, f.cwt.	Lobsters, shipped in shell, cwt.	Lobsters, canned, cases.	Salmon, canned, cases.	Salmon, used fresh and frozen, cwt.		
Lunenburg County.																								
1	Fox Point								9	101	39	20	10	31									185	
2	Mill Cove								22	136	80	30	20	95									18	
3	Lodge and N.W. Cove								14	157	22	30	90										88	
4	Aspotogan								187	159													150	
5	Bayswater, Blandford and Deep Cove								297	71	502	300	112	10									270	
6	Chester								1054	200	15	35	7										310	
7	Mahone Bay and Martin's River										10050	15	1233		1405								45	
8	Tancooks								262	250	740	21	105	210	175								400	
9	Lunenburg Harbour to Kingsbury								296	2613	72484	55	5450		8023								9	
10	La Have River and Islands								297	2613	69984		5450		6523								10	
11	Petite Riviere to Vogler's Cove									2613	2500				1500								11	
Totals									2437	8913	156416	506	12477	346	17626								7484	1458
Rates									21.00	15.00	6.00	2.00	3.00		5.00								4.00	1.00
Value									51177	133695	938496	1012	37431	1038	88130								29936	1458

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THE CATCH MARKETING.

RETURN showing the Quantities and Value of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for the County of Lunenburg, Province of Nova Scotia, during the year 1913-14—*Concluded.*

Number.	Fishing Districts.	Mackerel, used fresh, cwt.	Mackerel, salted, cwt.	Shad, used fresh, cwt.	Alewives, used fresh, cwt.	Alewives, salted, brl.	Halibut, used fresh, cwt.	Albacore, used fresh, cwt.	Sword-Fish, used fresh, cwt.	Squid, used as bait, brl.	Scallops, used fresh, brl.	Fish Oil, gals.	Number.
1	Fox Point	4884	695					75	70			15	1
2	Mill Cove	1165	445									50	2
3	Lodge and N.W. Cove	333	188					6	32			55	3
4	Aspotogan	603	272						180				4
5	Bayswater, Blandford and Deep Cove	139	556				31		250			300	5
6	Chester	135	202		15	20	1			15			6
7	Malone Bay and Martin's River	75	140		14		90					6000	7
8	Tancooks		550				16		710		1345	400	8
9	Lunenburg Harbour to Kingsbury	10	431				616		471			32000	9
10	La Have River and Islands		430				616		471			17000	10
11	Petite Riviere to Volger's Cove		430									65	11
	Totals	7344	4339		29	20	1370	81	2184	15	1345	55885	
	Rates	5.00	15.00		1.00	4.00	5.00	1.00	5.00	4.00	3.00	30c.	
	Values	36720	65085		29	80	6850	81	10920	60	4035	16765	

\$1,425,773

Total value.....
 - Cwts. = 100 lbs. + Quintal = 112 lbs.

THE

RETURN showing the Quantities and Values of all Fish caught and landed in a year

Number.	Fishing Districts.	Salmon, *cwts.	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake and Cusk, cwts.	Hake and Cusk, value.	Pollock, cwts.	Pollock, value.	Herring, cwts.	Herring, value.
	<i>Queens County.</i>		\$		\$		\$		\$		\$		\$		\$
1	Port Medway.....	111	2626	1358	11070	1772	3544	226	369	275	344	374	374	342	342
2	Mill Village.....	61	1440	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	Greenfield.....	21	371	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	Liverpool, Western Head, Brooklyn.....	17	185	2500	22500	1000	2000	400	800	200	150	110	110	4000	4000
5	Gull Islands, White and Hunt's Point, Summer-ville.....	.....	.....	1765	15885	650	1300	300	600	100	75	435	435	4000	4000
6	Port Mouton and S. W. Port Mouton.....	.....	.....	1205	10350	1050	2100	400	800	200	150	110	110	7000	7000
7	Port Joli, Port L'Hebert and Sandy Bay.....	.....	.....	1150	10350	500	1000	200	400	200	150	110	110	4000	4000
8	East and West Berlin, Beach Meadows, East-ern Head.....	.....	.....	1825	16425	500	1000	500	1000	100	75	220	220	6000	6000
	Totals.....	210	4622	9803	86580	5472	10944	2026	3969	1075	944	1359	1359	25342	25342

* Cwt. = 100 lbs.

SESSIONAL PAPER No. 39

CATCH.

Green State in the County of **Queens**, Province of **Nova Scotia**, during the 1913-14.

Mackerel, cwts.	Mackerel, value.	Alewives, cwts.	Alewives, value.	Halibut, cwts.	Halibut, value.	Smelts, cwts.	Smelts, value.	Trout, cwts.	Trout, value.	Albacore, cwts.	Albacore, value.	Hels, cwts.	Hels, value.	Sword-fish, cwts.	Sword-fish, value.	Clams, cwts.	Clams, value.	Number.
	¢		¢		¢		¢		¢		¢		¢		¢		¢	
32	256	75	52	47	230	46	352	18	180					69	180	7	21	1
.....	.....	255	179	.....	.....	.....	.....	35	350					.....	.....	.....	.....	2
.....	.....	420	294	.....	.....	.....	.....	.....	.....					.....	.....	.....	.....	3
2000	14000	100	150	10	75	20	180	20	200	10	20	200	700	32	156	.....	.....	4
900	6300	.....	.....	12	90	.....	.....	.....	.....	20	40	.....	.....	.....	.....	.....	.....	5
800	5600	20	30	12	90	.....	.....	5	50	28	56	.....	.....	100	600	.....	.....	6
200	1400	.....	.....	10	75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
400	2800	.....	.....	10	75	.....	.....	.....	.....	.....	.....	.....	.....	100	600	.....	.....	8
4332	30356	872	705	101	635	66	532	78	780	58	116	200	700	301	1536	7	21	

5 GEORGE V., A. 1915

THE CATCH

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed
Nova Scotia, during the

Number.	Fishing Districts.	Salmon, used fresh and frozen, *cwts.	Lobsters, canned, cases.	Lobsters, shipped in shell, cwts.	Cod, used fresh, cwts.	Cod, dried, †qtls.	Haddock, used fresh, cwts.	Haddock, dried, qtls.	Hake and Cusk, used fresh, cwts.	Hake and Cusk, dried, qtls.	Pollock, used fresh, cwts.	Pollock, dried, qtls.	Herring, used fresh, cwts.	Herring, pickled, brls.
	<i>Queens County.</i>													
1	Port Medway.	111	109	1087	437	445	184	38	130	46	179	65	..	69
2	Mill Village.	61	..	..	..	..	..	..	..	..	..	..	..	..
3	Greenfield	21	..	..	..	..	..	..	..	..	..	..	..	..
4	Liverpool, Western Head, Brooklyn.	17	..	300	400	200	200	75	..	67	60	17	100	467
5	Gull Island, White and Hupts Point, Summer-ville. . . . .	..	..	200	200	150	100	35	..	35	60	125	100	467
6	Port Mouton and S.W.Port Mouton. . . . .	..	2662	900	300	250	100	175	..	67	60	17	100	635
7	Port Joli, Port L'Hébert, Sandy Bay . . . . .	..	..	100	200	100	50	35	..	67	60	17	100	800
8	East and West Berlin, Beach Meadows, Eastern Head. . . . .	..	..	286	296	67	150	35	..	35	67	50	100	1000
	Totals	210	2771	2873	1833	1212	784	393	130	317	486	291	500	3438
	Rates.	\$ 22.00	21.00	12.00	2.00	6.00	2.50	5.00	2.00	4.00	1.00	4.00	1.00	4.00
	Values.	\$ 4620	58191	34476	3666	7272	1960	1965	260	1268	486	1161	500	13752

Total value.

*Cwt. = 100 lbs. Quintal—112 lbs.

SESSIONAL PAPER No. 39

MARKETED.

in a fresh, dried, pickled, canned, &c., State for the County of **Queens**, Province of year 1913-14.

Herring, used as bait, brls.	Mackerel, used fresh, cwts.	Mackerel, salted, brls.	Shad, used fresh, cwts.	Alewives, used fresh, cwts.	Alewives, salted, brls.	Halibut, used fresh, cwts.	Smelts, used fresh, cwts.	Trout, used fresh, cwts.	Albacore, used fresh, cwts.	Eels, used fresh, cwts.	Sword-fish, used fresh, cwts.	Clams and Quahaugs, used fresh, brls.	Hair seal skins, No.	Number.
68	32				25	17	46				69	7	80	1
				75	60			18						2
				195	75			35						3
1250	1790	70		50	17	10	20	20	10	200	32			4
1250	675	75				12			20					5
2534	350	150		20		12		5	28		100			6
750	200					10								7
1450	300	35				10					100			8
7302	3347	330		340	177	101	66	78	58	200	301	7	80	
2.00	8.00	11.00		1.00	4.00	7.00	9.00	10.00	2.00	3.50	7.00	3.00	1.00	
14604	26776	3639		340	708	707	594	780	116	700	2107	21	80	
												\$180,743		

THE CATCH.
RETURN showing the Quantities and Values of all Fish caught and landed in a Green State, in the County of Shelburne, Province of Nova Scotia, during the year 1913-14.

Number.	Fishing Districts.	Salmon, cwt.*	Salmon, value.	Lobsters, cwt.	Lobsters, value.	Cod, cwt.	Cod, value.	Haddock, cwt.	Haddock, value.	Hake and Cusk, cwt.	Hake and Cusk, value.	Pollock, cwt.	Pollock, value.	Herring, cwt.	Herring, value.	Mackerel, cwt.	Mackerel, value.	Alewives, cwt.	Alewives, value.	Halibut, cwt.	Halibut, value.	Number.
<i>Shelburne County.</i>																						
1	Wood's Harbour	...	...	10262	123144	9520	14280	312	312	...	...	...	...	14844	14844	1500	9000	...	...	...	...	1
2	Shag Harbour and Bear Point	...	...	4031	48372	1780	2670	963	963	...	...	144	144	2460	2460	84	504	...	...	39	234	2
3	Cape Island	...	...	19118	121416	13840	20760	4167	4167	...	...	...	...	4350	4350	390	2340	...	...	480	2880	3
4	Barrington	...	...	2390	28680	2230	3345	849	849	...	...	399	399	720	720	...	...	400	400	...	...	4
5	Port La Tour and Baccaro	...	...	2215	26580	12318	18477	4470	4470	...	...	2757	2757	7521	7521	420	2520	...	...	175	1050	5
6	Cape Negro and Blanche	...	...	770	9240	2202	3303	2801	2801	...	...	...	...	4630	4630	135	810	...	...	48	288	6
7	Port Saxon, Clyde River, N.E. and N.W. Harbour	22	251	30	360	812	1218	230	230	...	...	77	52	164	164	250	750	505	378	...	...	7
8	Black Point, Red Head and Round Bay	...	...	332	2656	1350	2025	360	360	...	...	320	207	2225	1668	340	1020	...	...	...	...	8
9	Roseway, Carleton Village and McNutt's Island	...	...	1276	10208	3632	5448	2440	1830	9	6	2050	1393	10470	7853	1809	6740	15	11	...	...	9
10	Gunning Cove, Churchover and Birchtown	13	146	371	2,968	3160	4740	1440	1377	...	...	1310	850	8246	6184	505	1515	33	36	...	...	10
11	Shelburne and Sandy Point	9	102	1318	10544	9570	14355	3000	2419	170	142	2110	1477	11830	8872	1680	3990	146	103	...	...	11
12	Jordan, East and West	27	313	1267	10136	2300	3450	1200	1660	7	5	720	540	4322	3241	500	1500	66	49	...	...	12
13	Lockeport	...	...	13177	105416	30029	45043	17210	29109	12432	10582	7400	6468	24633	20043	2278	8307	282	213	2202	13212	13
Totals		71	812	47557	499720	92743	139114	39442	50547	12618	10735	17295	14295	96415	82550	9891	38996	1447	1190	2944	17664	

* Cwt. = 100 lbs.

SESSIONAL PAPER No. 39

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State, in the County of Shelburne, Province of Nova Scotia, during the year 1913-14 —*Concluded.*

Number.	Fishing Districts.	Smelts, cwt.	Smelts, value.	Albacore, cwt.	Albacore, value.	Sword-fish, cwt.	Sword-fish, value.	Squid, brls.	Squid, value.	Clams, brls.	Clams, value.	Dulse, Crabs, Cockles and other shell fish.		Number.
												Cwts.	Value	
<i>Shelburne County.</i>														
1	Wood's Harbour			99	297									1
2	Shag Harbour and Bear Point			15	45									2
3	Cape Island					252	1512							3
4	Barrington					10	60							4
5	Port La Tour and Baccaro			28	84									5
6	Cape Negro and Blanche													6
7	Port Saxon, Clyde River, N.E. and N.W Harbours													7
8	Black Point, Red Head and Round Bay													8
9	Roseway, Carleton Village and McNutt's Island													9
10	Gunning Cove, Churchover and Birchtown	34	401											10
11	Shelburne and Sandy Point	10	90							200	325			11
12	Jordan, East and West	31	477			14	70							12
13	Lockeport			80	320	633	3354	2	5	392	474	8	56	13
Totals		75	968	222	746	909	4996	2	5	592	799	8	56	

Cwt. - 100 lbs.

THE CATCH MARKETING.

RETURN showing the Quantities and Value of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., State, for the County of Shelburne, Province of Nova Scotia during the year 1913-14.

Number.	Fishing Districts.	Salmon, used fresh and frozen, # cwt.	Lobsters, canned, cases.	Lobsters, shipped in shell, cwt.	Cod, used fresh, cwt.	Cod, shipped green-salted, cwt.	Cod, dried, † quintals.	Haddock, used fresh, cwt.	Haddock, smoked, cwt.	Haddocks, dried, quintals.	Hake and Cusk, used fresh, cwt.	Hake and Cusk, dried, quintals.	Pollock, used fresh, cwt.	Pollock, dried, quintals.	Herring, used fresh, cwt.	Number.
Shelburne County.																
1	Wood's Harbour		2596	3772		2480	1520	150		54					185	1
2	Shag Harbour and Bear Point		829	1959		890				321				48	844	2
3	Cape Island		2532	3788	500		4446			1389					700	3
4	Barrington			2390		725	223			283						4
5	Port La Tour and Baccaro		350	1340		2583	2384	300		1390						5
6	Cape Negro and Blanche			770			734	800		667						6
7	Port Saxon, Clyde River, N.E. and N.W. Harbour	22		30	50	150	154			77			20	17	164	7
8	Black Point, Red Head and Round Bay			332	110	289	219	100		85			60	86	85	8
9	Roseway, Carleton Village and McNutt's Island		141	924	538	800	498	1300		480	9		90	651	5269	9
10	Gunning Cove, Churchover and Birchtown	13		371	500	800	351	610		274			140	389	4246	10
11	Shelburne and Sandy Point	9		1318	1200	1800	1588	1535		481	50	41	200	636	4616	11
12	Jordan, East and West	27	145	905	583	400	306	330		289	7		50	222		12
13	Lockeport		3275	4990	6827	6477	3418	6577	242	3383	3846	2862	468	2307	9606	13
	Totals	71	9868	22889	10308	17394	15901	11702	242	9173	3912	2903	1028	5408	31135	
	Rates	\$ 15.00	21 00	18.00	2 00	3.00	5.00	2.00	7.00	4.00	1.50	4.00	1.50	4.00	1.00	
	Values	\$ 1065	207228	412002	20616	52182	79505	23404	1694	36692	5868	11612	1542	21632	31135	

* Cwts. = 100 lbs.

SESSIONAL PAPER No. 39

THE CATCH MARKETING.

RETURN showing the Quantities and Value of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., State, for the County of Shelburne, Province of Nova Scotia, during the year 1913 14. *Concluded.*

Number.	Fishing Districts.	Herring, salted, cwt.	Herring, pickled, lbs.	Herring, used as bait, lbs.	Macarel, used fresh, cwt.	Macarel, salted, lbs.	Alwives, used fresh, cwt.	Alwives, salted, lbs.	Halibut, used fresh, cwt.	Snellies, used fresh, cwt.	Albacore, used fresh, cwt.	Swor 1 Fish, used fresh, cwt.	Squid, used as bait, lbs.	Clams and Quahogs, used fresh, cwt.	Dulse, Crabs, Cockles, and Other shells, Fish, used fresh, cwt.	Fish Oil, gals.	Numbers.	
1	Wood's Harbour.		1721	4748	1290	66											1	
2	Shag Harbour and Bear Point.		353	276	84				39			99					2	
3	Cape Island.			1825	390				180			15				3800	3	
4	Barrington.		240				400										4	
5	Port La Tour and Paccar.		725	1418	327	28			175			28	10				5	
6	Cape Negro and Blanche.			530	135				48								6	
7	Port Saxon, Clyde River, N.E. and N.W. Harbours.		400		61	60	130	125									7	
8	Black Point, Red Head and Round Bay.		960	470	46	95											8	
9	Roseway, Carleton Village and McNutt's Island.		500	1200	60	583	15										9	
10	Gunning Cove, Churchover and Birchtown.		1238	1750	42	154	33			34				200			10	
11	Shelburne and Sandy Point.		712	1093	315	455	71	25		10							11	
12	Jordan, East and West.				42	150	36	10		31		19					12	
13	Lockeport.	260	1125	566	1102	392	252	10	2202			80	638	2	392		500	13
	Totals.	260	7914	20506	3894	1983	937	170	2944	75	222	909	2	592		8	4300	
	Rates.	6 00	3 00	2 00	5 00	12 00	1 00	4 00	8 00	15 00	4 00	8 00	2 50	1 50		7 00	30c	
	Values.	1 560	23742	41012	19470	23796	937	680	23552	1125	888	7272	5	888		56	1290	

Total Value, \$1,052,450
* Qtd. = 112 lbs.

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State in the County of Yarmouth, Province of Nova Scotia, during the year 1913-14.

Number.	Fishing Districts.	Salmon, cwts*	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake and Cusk, cwts.	Hake and Cusk, value.	Pollock, cwts.	Pollock, value.	Herring, cwts.	Herring, value.	Mackerel, cwts.	Mackerel, value.	Number.
			\$		\$		\$		\$		\$		\$		\$		\$	
Yarmouth County.																		
1	Port Maitland.....	11	212	4837	38696	7027	10645	2900	3343	50	42	906	906	1500	1500	1400	6290	1
2	Sandford.....	18	330	4740	37920	5000	7573	2500	2882	40	34	840	840	1500	1500	1900	8533	2
3	Yarmouth.....			9858	78864	13202	20001	4490	5174	1224	1032	2163	2165	7120	7120	3500	15752	3
4	Arcadia.....			4445	35560	1500	2271	700	808	30	25	600	600	3000	3000	1005	4472	4
5	Pinkney's Point.....			4585	36680	1500	2271	600	692	20	17	360	360	1400	1400	1110	4930	5
6	Comeau Hill.....			9774	78192	6500	9088	1914	2206	275	225	1100	1100	7050	7050	2600	11665	6
7	Wedgeport.....	6	110	10480	83840	9000	13632	2100	2421	450	421	1200	1200	10108	10108	3150	14152	7
8	Salmon River.....	12	220															8
9	Tusket.....	25	458															9
10	El Brook.....			101	808											50	228	10
11	Argyle.....			4911	39288	2000	3029	440	507	20	17	50	50	6100	6100	1400	5833	11
12	Pubnicoes.....			10550	84400	15250	23199	4000	4610	1194	1005	2030	2032	6150	6150	2200	9872	12
	Totals..	72	1320	64281	514248	60479	91709	19644	22643	3303	2818	9249	9253	43928	43928	18215	81727	

Cwt. = 100 lbs.

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State in the County of Yarmouth, Province of Nova Scotia, during the year 1913-14--Concluded.

Number.	Fishing Districts.	Shad, cwts.	Shad, value.	Alwives, cwts.	Alwives, value.	Halibut, cwts.	Halibut, value.	Smelts, cwts.	Smelts, value.	Albacore, cwts.	Albacore, value.	Eels, cwts.	Eels, value.	Swordfish, cwts.	Swordfish, value.	Mixed Fish, cwts.	Mixed Fish, value.	(Jams, bils.	(Jams, value.	Dulse, crabs, other shell fish, cwts.	Dulse, crabs, other shell fish, value.	Number.
Yarmouth County.																						
1	Port Maitland.					15	96									500	250	70	140			1
2	Sandford.					12	77					4	28			550	275	60	120			2
3	Yarmouth			60	60	1035	6739	2	24			4	28	17	85	400	200	215	430	6	6	3
4	Arcadia.			23	23	6	38					8	56					40	80	8	8	4
5	Pinkney's Point.					5	32											30	60			5
6	Comeau Hill.			37	37	8	51			52	189			10	50	120	60	90	180	4	4	6
7	Wedgeport.			20	20	12	77	1	12	250	900	8	56	20	100	160	80	118	236			7
8	Salmon River.			1450	1450			5	62			21	147									8
9	Tusket.	82	498	3800	3800			861	10633			102	714									9
10	Fel Brook			600	600			130	1608			69	488									10
11	Argyle.			500	500			30	364			30	210					90	180	12	12	11
12	Pubnicoes.			96	96	341	2202	73	898	50	180	60	420	30	150	200	100	202	404	52	52	12
Totals.		82	498	6586	6586	1434	9312	1102	13601	352	1269	306	2142	77	385	1930	965	915	1830		82	82

Cwt. =100 lbs.

THE CATCH MARKETING.
RETURN showing the Quantities and Values of all Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for the County of Yarmouth, Province of Nova Scotia, during the year 1913-14.

Number.	Fishing Districts.	Salmon, used fresh and frozen, cwt.	Lobsters, canned, cases.	Lobsters, shipped in shell, cwt.	Cod, used fresh, cwt.	Cod, shipped green salted, cwt.	Cod, dried, qtl.†	Haddock, used fresh, cwt.	Haddock, smoked, cwt.	Haddock, dried, qtl.	Hake and Cusk, used fresh, cwt.	Hake and Cusk, dried, qtls.	Pollock, used fresh, cwt.	Pollock, dried, qtl.	Herring, used fresh, cwt.	Herring, smoked, cwt.	Herring, pickled, brls.	Herring used as bait, brls.	Number.
Yarmouth County.																			
1	Port Maitland	11	1335	1500	705	200	1971	450	20	806	15	15	60	270	280	560	1	560	1
2	Sandford	18	1296	1500	510	150	1396	360	10	705	12	12	80	250	266	450	2	450	2
3	Yarmouth		2673	3176	2602	3000	1518	2920	560	134	1018	61	260	630	916	1370	3	1370	3
4	Arcadia		1195	1458	1251	100	380	371	20	86	8	8	60	179	300	500	4	500	4
5	Pinkney's Point		1254	1450	145	100	385	940	70	179	6	6	100	107	300	432	5	432	5
6	Comeau Hill		2645	3162	625	242	1634	950	50	278	89	89	120	327	1124	902	6	1010	6
7	Wedgeport	6	2845	3368	950	250	2514	950	50	342	149	149	120	357	262	1350	7	1029	7
8	Salmon River	12															8		8
9	Tusket	25															9		9
10	El Brook		17	59	100												10		10
11	Argyle		1334	1576	203	50	564			131	6	6		15	200	1217	508	529	11
12	Pubnico		2846	3435	1600	300	4331	800	25	1042	356	356	200	604		1040	712	1400	12
Totals		72	17440	20684	7565	4392	14693	6791	755	3703	1018	702	880	2739	462	6247	5425	7348	
Rates		19.00	21.00	15.00	2.00	4.00	6.00	1.50	7.60	4.00	1.00	3.00	1.00	4.00	1.50	4.00	3.50	2.00	
Value		\$ 1368	\$ 366240	\$ 310460	\$ 15130	\$ 17568	\$ 88158	\$ 10186	\$ 5285	\$ 14812	\$ 1018	\$ 2106	\$ 880	\$ 10956	\$ 693	\$ 24988	\$ 18987	\$ 14696	

* Cwt. = 100 lbs. † Qtl. = 112 lbs.

THE CATCH MARKETING.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for the County of Yarmouth, Province of Nova Scotia, during the year 1913-14. *Concluded.*

Number.	Fishing Districts.	Mackerel, used fresh, cwt.	Mackerel, salted, bbls.	Shad, used fresh, cwt.	Alwives, used fresh, cwt.	Alwives, salted, bbls.	Hallibut, used fresh, cwt.	Smelts, used fresh, cwt.	Albacore, used fresh, cwt.	Hels, used fresh, cwt.	Sword fish, used fresh, cwt.	Mixed Fish, used fresh, cwt.	Clams and (quahogs, used fresh, bbls.	Dulse, (Grabs and other Shell Fish, used fresh, cwt.	Fish Oil, gallons.	Number.
<i>Yarmouth County.</i>																
1	Port Maitland	135	15				15					500			70	80
2	Sandford	1846	18				12				4	530			60	70
3	Yarmouth	2900	200				1035	2			4	400			215	400
4	Arcadia	615	130				6				8				40	50
5	Pinkney's Point	690	140				5								30	20
6	Comeau Hill	1700	300				8					120			90	460
7	Wedgeport	2388	254				12					160			118	540
8	Salmon River															
9	Tusket															
10	Eel Brook	26	8	82												
11	Argyle	640	220													
12	Pubnicoes	1081	373				341	73				200			202	1000
	Totals	13241	1658	82	2020	1522	1434	1102	352	306	77	1930	915		82	2620
	Rates	8 00	12 00	10 00	1 50	3 00	7 00	14 00	5 00	7 00	8 00	1 00	2 00	1 00		30
	Values	105925	19896	820	3030	4566	10038	15428	1760	2142	616	1930	1830	82		786
	Total value															\$1,072,383

* Qtls. = 100 lbs.

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State in the County of Digby, Province of Nova Scotia, during the year 1913-14.

Number.	Fishing Districts.	Salmon, * cwt.	Salmon, value.	Lobsters, cwt.	Lobsters, value.	Cod, cwt.	Cod, value.	Haddock, cwt.	Haddock, value.	Hake and cusk, cwt.	Hake and cusk, value	Pollock, cwt.	Pollock, value.	Herring, cwt.	Herring, value.	Mackerel, cwt.	Mackerel, value.	Alewives, cwt.	Alewives, value.	Number.
<i>Digby County.</i>																				
1	Digby and vicinity	10	200	475	5700	13500	13625	36000	192520	20611	15358	1800	1800	2000	1500	180	900	10	10	1
2	Bay View and Culloden			520	6240	400	700	2000	5500	2100	1890	400	400	25	19					2
3	Gulliver's Cove to Waterford			823	9876	870	1522	4200	7350	6000	5400	2300	2300	1570	1177	1950	9750			3
4	Centreville			754	8400	2560	4480	9516	26169	8639	9775	254	254	1394	1845	402	2010			4
5	Sandy Cove and Mink Cove			500	6000	1500	2625	1300	3575	2500	2250	600	600	3200	2400	4200	21000			5
6	Little River and Whale Cove			2015	20280	1275	2231	9250	25437	12225	11002	185	185	1000	750	600	3000			6
7	Tiddville and East Ferry			450	5400	986	1725	500	1375	4250	3825	1330	1330	340	255	80	400			7
8	Tiverton and Central Grove			1950	23040	13450	27037	3615	9941	37150	33435	3400	3400	3200	2400	312	1560			8
9	Freeport			1730	20760	4814	8424	2356	6479	21562	19405	4200	4200	350	262	39	195			9
10	Westport			1738	19200	11500	20125	6200	17050	15500	13950	4300	4300	1200	900	37	185			10
11	Smith's Cove and Brighton			15	180	85	148	50	137	30	27	180	180	1500	1125	1287	6435			11
12	Plympton and Weymouth			215	2580	620	1090	300	825	240	216	700	700	500	375	1596	7980			12
13	New Edinburgh			597	5700	70	140	1500	1500			8	8			1168	5112			13
14	Belliveau and White Cove			42	515	32	64	4960	4960					1707	1737	450	2250			14
15	Grosse Coques			4	50	140	280	213	319					705	766	210	1050			15
16	Church Point			100	1225	218	436	1223	1223					160	160					16
17	Little Brook and Comeauville			1902	16120	950	1900	310	465					10	10					17
18	Saulnierville			146	1789	670	1340	295	442					24	24	12	60			18
19	Meteghan River			122	1495	760	1520	340	360					210	210	234	1170			19
20	Meteghan			872	7255	700	1400	320	320			75	75	609	609	50	250			20
21	Comeau's Cove			172	2107	1153	2306	668	1002			15	15	10	10	10	50			21
22	Bear Cove			185	2266	560	1120	310	465					10	10	8	40			22
23	Cape St. Mary's			3482	31820	1486	2972	685	1928			120	120	1460	1460	404	2020			23
24	Salmon and Beaver River	2	60	163	1697	505	1010	320	480			51	51	10	10	70	350			24
Totals		12	260	18972	199695	58804	98220	86431	308922	130857	116633	19918	19918	21191	17214	13299	65767	10	10	

* Cwt=100 lbs.

THE CATCH MARKETING.

RETURN showing the Quantities and Value of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for the County of Digby, Province of Nova Scotia, during the year 1913-14.

Number.	Fishing Districts.	Salmon, used fresh and frozen, cwt.	Lobsters, canned, cases.	Lobsters, shipped in shell, cwt.	Cod, used fresh, cwt.	Cod, smoked, cwt.	Cod, shipped green salted, cwt.	Cod, dried, quintals.	Haddock, used fresh, cwt.	Haddock, smoked, ed, cwt.	Haddock, canned cases.	Haddock, dried, quintals.	Hake and Cusk, used fresh, cwt.	Hake and Cusk, dried, quintals.	Pollock, used fresh, cwt.	Pollock, dried, cwt.	Herring, used fresh, cwt.	Herring, canned, cases.	Herring, pickled, brs.	Herring, used as bait, brs.	Number.	
Digby County.																						
1	Digby and vicinity	10		475	1450	1004		3347	8000	14000			2428	6061		600				1000	1	
2	Bay View and Culloden			520				133	2000				2106			133				13	2	
3	Gulliver's Cove to Waterford.			823				290	4200					2000		767				785	3	
4	Centreville.		109	482		124		770	1199	1101	822			2879		84		3604				4
5	Sandy Cove and Mink Cove.			500				500	1300					833		200				1600	5	
6	Little River and Whale Cove.		650	390				425	3250	500	3125			4075		61				500	6	
7	Tiddville and East Ferry.			450				328	500					1417		443				170	7	
8	Tiverton and Central Grove.		59	1892				4483	3615					12383		1133				1600	8	
9	Freeport			1730				1607	2356				2000	5517		1400				175	9	
10	Westport		276	1048				383	4600	800				5167		1433				600	10	
11	Smith's Cove and Brighton.			15				28	50				30		180					750	11	
12	Plympton and Weymouth.			215				207	300					80	200	167				250	12	
13	New Edinburgh		142	242	70				1500							2					13	
14	Belliveau and White Cove.			42				10		2480							50			828	14	
15	Grosse Coques			4	20			40	213								23			363	15	
16	Church Point.			100	18			66	117	553										80	16	
17	Little Brook and Comeauville	2	581	450	50		156	196	10			100					10				17	
18	Saulnierville			146	40			210	10			95								100	18	
19	Meteghan River			122	60			233	340								10				19	
20	Meteghan		260	222	10			230	320						25		9			225	20	
21	Comeau's Cove			172	20		566		302			122			5		10				21	
22	Bear Cove.			185	11		274		10			100								5	22	
23	Cape St. Mary's.		601	1980	20		250	322	85			200			40				150	505	23	
24	Salmon and Beaver Rivers.	2		163			150	68	266			18			17					5	24	
Totals.		12	2678	12278	1769	1128	1396	17324	34543	19434	6947	635	6558	41412	380	6570	112	3604	200	9566		
Rates		\$ 22.00	21.00	18.00	2.00	5.00	4.00	7.00	3.00	7.00	6.00	4.00	3.00	5.00	1.00	5.00	1.00	3.50	3.00	2.00		
Values.		\$ 261	56238	221004	3538	5640	5584	121268	103629	136038	41662	2540	19674	207060	380	32850	112	12614	600	19132		

* Cwts. = 100 lbs. † Quintal = 112 lbs.

THE CATCH MARKETED.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for the County of Digby, Province of Nova Scotia, during the year 1913 14 *Concluded.*

Fishing Districts.	Mackerel, used fresh, cwt.	Mackerel, canned, cwt.	Mackerel, salted, brls.	Alwives, used fresh, cwt.	Halibut, used fresh, cwt.	Flounders, used fresh, cwt.	Smelts, used fresh, cwt.	Trout, used fresh, cwt.	Albacore, used fresh, cwt.	Bass, used fresh, cwt.	Eels, used fresh, cwt.	Tom-cod, used fresh, cwt.	Mixed-fish, used fresh, cwt.	Squid used as bait, brls.	Clams & Quah-augs, used fresh, brls.	Pulse, (rabs and other shell fish used fresh, cwt.	Sounds, pickled or dried, cwt.	Fish-oil, gals.	Number.	
<i>Digby County.</i>																				
1 Digby and vicinity	180			30	400	93	10	7	5	13			20		10306	397	85	2491	1	
2 Bay View and Culloden			417		9												10		2	
3 Gulliver's Cove to Waterford	700				18								40		30	10	30		3	
4 Centreville		355			19												170	2100	4	
5 Sandy Cove and Mink Cove	3000		400		10	10			70				50		20		15	800	5	
6 Little River and Whale Cove		87	138		10			1				3					30	2500	6	
7 Tiddville and East Ferry			27		10												240		7	
8 Tiverton and Central Grove			104		30			2					2356		10		103	11400	8	
9 Freeport			13		720									100	75		85	1790	9	
10 Westport			12		340									50	30		96	1680	10	
11 Smith's Cove and Brighton	687		200				1	3				8	120						11	
12 Plympton and Weymouth	1596						123	6							500				12	
13 New Edinburgh	484		228												265				13	
14 Belliveau and White Cove	450							1				2			240				14	
15 Grosse Coques	210											3			160				15	
16 Church Point								1							15				16	
17 Little Brook and Comeauville								2											17	
18 Saulnierville			1																18	
19 Meteghan River	54		60					1					4		25				19	
20 Meteghan	5		15												3				20	
21 Comeau's Cove	1		3					1											21	
22 Bear Cove	2		2															15	22	
23 Cape St. Mary's	50		118		5			1									6		23	
24 Salmon and Beaver River	10		20		1			1				60						250	24	
Totals	7872	443	1781	10	1575	103	137	27	75	13	71	132	2166	158	11709	407	870	23026		
Rates	5.00	8.00	10.00	1.00	7.00	2.00	12.00	15.00	4.00	5.00	6.00	75	50	4.00	2.00	5.00	23.00	27c.		
Values	39360	3544	17810	10	11025	206	1641	405	300	65	426	90	1233	632	23418	2035	2000	6217		
Total Value																				\$1,118,266

THE

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State

Number.	Fishing Districts.	Salmon, cwts.	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value	Hake and Cusk, cwts.	Hake and Cusk, value.	Pollock, cwts.	Pollock, value.
	<i>Annapolis County.</i>		\$		\$		\$		\$		\$		\$
1	Margaretsville.....	50	1000	20	300	1150	2300	292	584	75	75	70	70
2	Port George.....	60	1200	98	1470	580	1160	380	760	110	110	70	70
3	Port Lorne.....	22	440	49	735	470	940	132	264	95	95	270	270
4	Hampton.....	30	600	225	3375	260	520	711	1422	320	320	102	102
5	Phinney's Cove.....	.....	.....	265	3975	960	1920	1250	2500	660	660	110	110
6	Parker's Cove.....	.....	.....	355	5325	1130	2260	740	1480	2230	2230	80	80
7	Hilsburne.....	.	.	205	3075	6700	13400	3610	7220	4320	4320	.....	.....
8	Litchfield.....	.....	.....	159	2385	1010	2020	1450	2900	3990	3990	35	35
9	Port Wade.....	.....	.....	150	2250	2020	4040	3740	7480	1440	1440	.....	.....
10	Victoria Beach.....	.....	.....	298	4470	4130	8260	6100	12200	4830	4830	.....	.....
11	Deep Brook & Clementsport..	.....	.....	.....	.....	135	270	223	443	30	30	.....	.....
12	Annapolis, Lequille and Nic-teaux Rivers.....	65	1800	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Totals.....	227	4540	1824	27360	18545	37090	18628	37256	18100	18100	737	737

* Cwt. = 100 lbs.

SESSIONAL PAPER No. 39

CATCH.

in the County of **Annapolis**, Province of **Nova Scotia**, during the year 1913-14.

Herring, cwts.	Herring, value.	Mackerel, cwts.	Mackerel, value.	Shad, cwts.	Shad, value.	Halibut, cwts.	Halibut, value.	Flounders, cwts.	Flounders, value.	Trout, cwts.	Trout, value.	Sturgeon, cwts.	Sturgeon, value.	Bass, cwts.	Bass, value.	Eels, cwts.	Eels, value.	Tom-cod, cwts.	Tom-cod, value.	Clams, cwts.	Clams, value.	Dulse, Crabs, etc., cwts.	Dulse, Crabs, etc., value.	Number.
	¢		¢		¢		¢		¢		¢		¢		¢		¢		¢		¢		¢	
60	60																							1
70	70	20	100																					2
20	20																							3
																								4
30	30																							5
50	50																							6
30	30																							7
40	40	100	500																					8
255	255					820	8200													2358	3537	300	500	9
220	220					467	4670	15	30															10
155	155							15	30	200	3000							20	40	3788	5682			11
				55	550					300	4500	34	510	50	500	30	150							12
930	930	120	600	55	550	1287	12870	30	60	500	7500	34	510	50	500	30	150	20	40	6146	9219	300	500	

5 GEORGE V., A. 1915

THE CATCH

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed
of Nova Scotia, during

Number.	Fishing Districts.	Salmon, used fresh and frozen, *cwts.	Lobsters, shipped in shell, cwts.	Cod, used fresh, cwts.	Cod, dried, † quintals.	Haddock, used fresh, cwts.	Haddock, smoked, cwts.	Haddock, dried, quintals.	Hake and Cusk, dried, quintals	Pollock, used fresh, cwts.
	<i>Annapolis County.</i>									
1	Margaretsville.....	50	20	70	351	58	...	78	22	....
2	Port George.. . . .	60	98	60	170	113	.....	87	36	40
3	Port Lorne.....	22	49	75	131	41	.....	28	29	.....
4	Hampton.....	30	225	45	69	87	.....	208	105	.....
5	Phinney's Cove.....		265	10	316	342	...	336	219	.....
6	Parkers Cove.....		355	285	281	83	110	145	741	.....
7	Hilsbarne		205	...	2232	429	400	791	1438	.....
8	Leitchfield.		159	264	246	328	...	373	1328	.....
9	Port Wade.....		150	570	482	1700	...	679	477	.....
10	Victoria Beach.....		298	1760	789	3000	600	622	1607	.....
11	Deep Brook and Clementsport.....		...	...	45	85	...	41	9	.....
12	Annapolis, Lequille and Nictaux Rivers.	65	...	...	...	...	...	...	...	.....
	Totals.....	227	1824	3139	5112	6266	1110	3388	6011	40
	Rates \$	20.00	15.00	2.50	6.00	2.50	7.00	5.00	3.50	1.50
	Values..... \$	4540	27360	7847	30672	15664	7770	16940	21038	60
	Total value.. . . .									

*Cwt. =100 lbs. †Quintal=112 lbs.

SESSIONAL PAPER No. 39

MARKETED.

in a fresh, dried, pickled, canned, &c., State, for the County of Annapolis, Province the year 1913-14.

Pollock, dried, quintals.	Herring, used as bait, brls.	Mackerel, used fresh, cwts.	Shad, used fresh, cwts.	Halibut, used fresh, cwts.	Flounders, used fresh, cwts.	Trout, used fresh, cwts.	Sturgeon, used fresh, cwts.	Bass, used fresh, cwts.	Eels, used fresh, cwts.	Tom-cod, used fresh, cwts.	Clams, used fresh, brls.	Dulse, Crabs, Cockles and other shell fish, used fresh, cwts.	Caviare or sturgeon roe, cwts.	Fish oil, gals.	Number.
21	30													600	1
9	35	20												300	2
90	10													300	3
34														425	4
35	15													700	5
24	25													750	6
	15													1500	7
11	20	100												600	8
	128			820							2358	*100		800	9
	110			467	15									1600	10
	78				15	200				20	3788				11
			55			300	34	50	30				2		12
224	466	120	55	1287	30	500	34	50	30	20	6116	100	2	7575	
4	2.00	5.00	10.00	10.00	2.00	15.00	15.00	10.00	5.00	2.00	1.50	5.00	2.66	30	
896	932	600	550	12870	60	7500	510	500	150	40	9219	500	532	2272	
														\$169,022	

*The Dulse is dried.

THE

RETURN showing the Quantities and Values of all Fish caught and landed in a Green

Number.	Fishing Districts.	Salmon, cwts.*	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake and Cusk, cwts.	Hake and Cusk, value.	Pollock, cwts.	Pollock, value.	Herring, cwts.
	<i>Kings County.</i>		\$		\$		\$		\$		\$		\$	
1	Morden and vicinity.....	90	1620	10	120	170	340	10	15	20	30	1205	1807	196
2	Victoria Harbour and Ogilvie Wharf .	20	360	....	....	60	120	20	30	20	30	175	262	150
3	Harbourville.	63	1134	....	....	55	110	10	15	....	....	320	480	80
4	Canada Creek.....	72	1296	45	540	450	900	80	120	60	90	622	933	2019
5	Chipman's Brook and Hunting Point..	81	1458	17	204	235	470	25	37	24	36	315	472	629
6	Hall's Harbour.....	70	1260	35	420	795	1590	875	1312	235	352	735	1102	1516
7	Race Point and Sheffield Vault.....	75	1350	....	....	85	170	40	60	5	7	220	330	578
8	Baxter's Harbour.....	35	630	8	96	1010	2020	135	202	35	52	475	712	660
9	Whalen Beach and Well's Cove	25	450	....	....	30	60	....	....	30	45	100	150	305
10	Scott's Bay.....	69	1242	21	252	620	1242	305	457	25	37	225	337	915
11	Blomidon and Kingsport.....	15	270	....	....	10	20	5	7	....	....	50	75	120
12	Starr's Point to Wolfville	15	270	....	....	30	60	....	....	....	....	20	30	....
13	Upper Gaspereau and all inland waters	27	486	....	....	293	586	....	....	....	....	15	23	....
	Totals	657	11826	136	1632	3843	7686	1505	2257	454	681	4477	6713	7168

*Cwt. =100 lbs.

SESSIONAL PAPER No. 39

CATCH.

State in the County of **Kings**, Province of **Nova Scotia**, during the year 1913-14.

Herring, value.	Mackerel, cwts.	Mackerel, value.	Shad, cwts.	Shad, value.	Alewives, cwts.	Alewives, value.	Halibut, cwts.	Halibut, value.	Trout, cwts.	Trout, value.	Squid, brls.	Squid, value.	Clams, brls.	Clams, value.	Number.
\$		\$		\$		\$		\$		\$		\$		\$	
196	80	400	.....	.....	.....	.....	10	100	.....	..	27	13	.....	.....	1
150	25	125	.....	.....	.....	.....	15	150	.....	.....	5	3	.....	.....	2
80	20	100	.....	.....	.....	.....	5	50	.....	.....	5	3	.....	.....	3
2019	70	350	10	100	.....	.....	.....	.....	.....	.....	40	20	.....	.....	4
629	26	130	1	10	.....	.....	.....	.....	.....	..	8	4	.....	.....	5
1516	60	300	7	70	.....	.....	10	100	.....	.....	15	7	.....	.....	6
578	25	125	10	100	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
560	15	75	.....	.....	.....	.....	7	70	.....	.....	3	2	.....	.....	8
305	10	50	1	10	.....	.....	.....	.....	.....	.....	2	1	.....	.....	9
915	60	300	115	1150	.....	.....	1	10	.....	.....	5	2	.....	.....	10
120	.....	.....	55	550	.....	.....	.....	.....	.....	.....	.....	.....	75	225	11
.....	.....	.....	55	550	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
.....	.....	.....	.....	.....	6000	6000	.....	.....	30	300	.....	.....	.....	.....	13
7168	391	1955	254	2540	6000	6000	48	480	30	300	110	55	75	225	

THE CATCH MARKETED.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for the County of Kings, Province of Nova Scotia, during the year 1913-14.

Number.	Fishing Districts.	Salmon, used fresh and frozen, * cwt.	LoBSTERS, shipped in shell, cwt.	Cod, used fresh, cwt.	Cod, dried, t quintals.	Haddock, used fresh, cwt.	Haddock, dried, quintals.	Hake and Cusk, dried, quintals.	Pollock, used fresh, cwt.	Pollock, dried, quintals.	Herring, smoked, cwt.	Herring, pickled, bls.	Herring, used as bait, bls.	Mackerel, used fresh, cwt.	Mackerel, salted, bls.	Shad, used fresh, cwt.	Alwives, used fresh, cwt.	Alwives, salted, bls.	Halibut, used fresh, cwt.	Trout, used fresh, cwt.	Squid, used as bait, bls.	Clams and Quahangs, used fresh, bls.	Number.
Kings County.																							
1	Morden and vicinity	90	10	57	10	10	10	7	401	40	38	80	10	27	1	10	10	10	10	10	27	1	1
2	Victoria Harbour and Ogilvie Wharf.	20	20	20	20	20	20	7	58	30	30	25	15	5	2	15	15	15	15	15	5	2	2
3	Harbourville	63	45	18	10	10	10	20	107	13	25	20	5	5	3	5	5	5	5	5	5	3	3
4	Canada Creek	72	17	150	20	25	25	20	207	145	709	40	10	40	4	10	10	10	10	10	40	4	4
5	Chipman's Brook & Hunting point	81	35	78	25	15	15	8	105	132	76	132	1	26	5	1	1	1	1	1	8	5	5
6	Hall's Harbour	70	75	265	585	105	105	78	245	315	138	145	10	30	6	7	10	10	10	15	15	6	6
7	Race point and Sheffield Vault	75	8	29	10	10	10	2	73	55	181	55	10	25	7	10	10	10	10	10	3	7	7
8	Baxter's Harbour	35	25	336	105	10	10	12	150	130	50	130	1	15	8	1	1	1	1	1	2	8	8
9	Whalen Beach and Wells Cove	25	21	10	185	10	10	10	33	25	100	25	1	10	9	1	1	1	1	2	2	9	9
10	Scotts Bay	69	15	206	10	10	10	8	75	56	340	56	115	30	10	115	1	1	1	5	5	10	10
11	Blomidon and Kingsport	15	15	4	10	10	10	10	17	19	...	19	55	...	...	55	...	...	...	...	...	75	11
12	Starr's point to Wolfville	15	260	10	10	10	10	10	7	...	...	...	55	2040	1318	...	2040	1318	...	30	...	...	12
13	Upper Gaspereau & all inland waters	27	27	11	11	11	11	11	15	...	...	...	...	...	...	...	...	...	...	...	...	...	13
Totals		657	136	1194	980	175	152	40	1478	1594	960	523	301	30	254	2040	1318	48	30	110	75	75	75
Rates		18.00	15.00	2.00	2.00	4.00	4.50	1.75	4.50	4.00	4.50	2.00	6.00	6.00	10.00	1.50	3.00	10.00	10.00	10.00	50	3.00	3.00
Value		11826	2040	7164	1960	700	684	70	6651	6376	4320	1046	2408	180	2540	3060	3954	480	300	5	225	225	225

Total value.....\$ 56,559

*Cwt. — 100 lbs. Quintal = 112 lbs.

SESSIONAL PAPER No. 39

RECAPITULATION

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., State, for District No. 3, Province of Nova Scotia, during the year 1913-14.

Kinds of Fish.	Caught and landed in a Green State.		Marketed.		Total Marketed value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	\$
Salmon.....cwts.	1,360	25,289	1,360	26,458	26,458
" used fresh....."					
Lobsters....."	157,577	1,454,493			
" canned.....cases.			35,194	739,074	
" shipped in shell.....cwts.			69,597	1,141,037	1,880,111
Cod....."	709,133	1,323,257			
" used fresh....."			21,874	51,317	
" green-salted....."			23,182	75,334	
" smoked....."			1,128	5,640	
" dried....."			211,852	1,272,535	1,404,826
Hadlock....."	221,062	505,672			
" used fresh....."			61,572	157,815	
" smoked (finnans)....."			21,541	150,787	
" canned.....cases.			6,947	41,662	
" dried.....cwts.			35,093	161,779	512,043
Hake and Cusk....."	203,838	187,342			
" used fresh....."			11,618	26,820	
" dried....."			63,974	281,199	308,019
Pollock....."	54,073	53,313			
" used fresh....."			2,854	3,418	
" dried....."			17,056	75,187	78,605
Herring....."	220,361	202,050			
" used fresh....."			32,209	32,440	
" canned.....cases.			3,604	12,614	
" smoked.....cwts.			8,101	32,924	
" pickled.....brls.			25,421	91,337	
" used as bait....."			47,169	92,880	262,195
Mackerel.....cwts.	66,610	297,105			
" used fresh....."			36,119	231,262	
" canned.....cases.			443	3,544	
" salted.....brls.			10,121	130,397	365,203
Shad.....cwts.	391	3,588			
" used fresh....."			391		3,910
Alewives....."	15,004	14,580			
" used fresh....."			5,376	7,406	
" salted.....brls.			3,207	9,988	17,394
Halibut, used fresh.....cwts.	8,759	58,836	8,759		65,522
Flounders....."	133	266	133		266
Smelts....."	1,380	16,647	1,380		18,791
Trout....."	635	8,970	635		8,985
Albacore....."	788	2,512	788		3,145

RECAPITULATION

Of the Quantities and Value of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., State, for **District No. 3**, Province of **Nova Scotia**, during the year 1913-14.

Kinds of Fish.	Caught and landed in a Green State.		Marketed.		Total Marketed value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	
Sturgeon.. .. . cwts.	34	510	34	510	510
Bass..... "	63	510	63	565	565
Eels	607	3,364	607	3,418	3,418
Tom Cod..... "	152	112	152	139	139
Sworfish..... "	3,471	16,799	3,471	20,915	20,915
Mixed Fish..... "	4,396	2,198	4,396	3,163	3,163
Squid..... brls.	285	752	285	752	752
Oysters..... "	1,345	4,035	1,345	4,035	4,035
Clams..... "	20,789	34,139			
" used fresh			20,789	35,601	35,601
Dulse, Cockles and other shell fish..... cwts.	1,379	2,646	597	2,673	2,673
Tongue and Sounds..... "			870	20,010	20,010
Caviare (Sturgeon roe)..... "			2	532	532
Hair Seal Skins..... No.			80	80	80
Fertilizer, etc..... Tons.			1,229	9,147	9,147
Glue Material				7,478	7,478
Fish Oil..... galls.			93,406	27,330	27,330
Totals		4,218,985			5,091,821

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RECAPITULATION

Of the Number of Fishermen, etc., and of the Number and Value of Fishing Vessels, Boats, Nets, etc., in District No. 3, Province of Nova Scotia, for the year 1913-14.

	Number.	Value.
		\$
Steam Fishing Vessels (tonnage 377).....	14	58,000
Sailing and Gasoline Vessels... ..	426	1,455,699
Boats (sail)... ..	3,019	90,262
" (gasoline).....	2,027	502,490
Carrying Smacks.....	44	37,900
Gill Nets, Seines, Trap and Smelt Nets, etc	15,752	202,172
Weirs.....	89	22,375
Trawls	8,936	92,526
Hand Lines.....	12,398	11,101
Lobster Traps.....	328,472	328,472
" Canneries.....	68	95,700
Fish	2	2,800
Freezers and Ice-houses.....	152	182,925
Smoke and Fish-houses.....	2,225	252,129
Fishing Piers and Wharves.....	721	732,300
Totals.....		4,066,791

Number of men employed on Vessels	5,160
" " Boats.....	6,740
" " Carrying Smacks.....	104
" persons employed in Fish-houses, Freezers, Canneries, etc.	2,326
Total.....	14,330

RECAPITULATION

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., State, for the **whole** Province of **Nova Scotia**, during the year 1913-14.

Kinds of Fish.	Caught and landed in a Green State.		Marketed.		Total marketed value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	\$
Salmon..... cwts.	9,401	110,624			
" used fresh..... "			9,341	138,772	
" canned..... cases.			24	183	
" smoked..... cwts.			24	480	
					139,435
Lobsters..... "	302,261	2,226,908			
" canned.... cases.			87,449	1,679,664	
" shipped in shell.... cwts.			84,063	1,280,393	
					2,960,057
Cod..... "	970,870	1,727,188			
" used fresh..... "			58,345	112,055	
" green—salted ... "			60,677	202,070	
" smoked..... "			1,128	5,640	
" dried..... "			263,040	1,571,486	
					1,891,251
Haddock..... "	387,386	748,885			
" used fresh..... "			139,289	320,837	
" smoked (finnans)..... "			26,833	167,473	
" canned..... cases.			6,947	41,662	
" dried..... cwts.			61,028	278,910	
					808,882
Hake & Cusk..... "	249,387	228,461			
" used fresh..... "			16,755	32,084	
" dried..... "			77,476	334,435	
					366,519
Pollock..... "	79,232	76,805			
" used fresh..... "			3,649	4,576	
" dried..... "			25,164	106,774	
					111,350
Herring..... "	386,473	356,856			
" used fresh..... "			52,549	60,651	
" canned..... cases.			3,604	12,614	
" smoked..... cwts.			13,611	49,454	
" pickled..... brls.			49,240	198,727	
" used as bait..... "			78,149	149,246	
" used as fertilizer ... "			596	298	
					470,390
Mackerel..... cwts.	162,607	700,275			
" used fresh..... "			87,229	581,103	
" canned..... cases.			443	3,544	
" salted..... brls.			25,094	316,616	
					901,263
Shad..... cwts.	995	7,264			
" used fresh..... "			943	9,338	
" salted..... brls.			19	285	
					9,623
Alwives..... cwts.	19,601	20,626			
" used fresh..... "			8,363	12,778	
" salted..... brls.			3,743	11,807	
					24,585

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RECAPITULATION.

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., State, for the whole Province of Nova Scotia, during the year 1913-14.

Kinds of Fish.	Caught and landed in a Green State.		Marketed.		Total marketed value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	\$
Halibut, used fresh.....	cwts.	31,521	210,254	31,521	291,874
Flounders.....	"	1,174	1,712	1,174	5,267
Smelts.....	"	4,043	31,278	4,043	37,510
Trout.....	"	1,005	11,626	1,005	12,685
Soles.....	"	216	324	216	1,080
Albacore.....	"	2,954	5,252	2,954	11,809
Sturgeon.....	"	34	510	34	510
Bass.....	"	198	1,079	198	1,915
Eels.....	"	1,111	5,227	1,111	5,665
Tom Cod.....	"	300	425	300	518
Swordfish.....	"	13,322	46,658	13,322	61,140
Mixed Fish.....	"	5,566	2,798	5,566	4,903
Squid.....	brls.	2,167	6,881	2,167	9,067
Oysters.....	"	3,397	12,283	3,397	14,064
Clams.....	"	28,088	42,088		
" used fresh.....			27,913	49,941	
" canned.....	cases.		175	788	50,729
Dulse, Cockles & other shell fish.....	cwts.	1,379	2,646	597	2,673
Tongues and Sounds.....	"			2,874	28,026
Caviare (Sturgeon roe).....	"			2	532
Hair Seal Skins.....	"			168	184
Fertilizer, etc.....	tons.			1,229	9,147
Glue material.....	"				7,478
Fish Oil.....	galls.			172,941	56,895
Totals.....		6,584,933			8,297,626

RECAPITULATION.

Of the Number of Fishermen, etc., and of the Number and Value of Fishing Vessels, Boats, Nets, etc., in the whole Province of Nova Scotia, for the year 1913-14.

	Number.	Value.
		\$
Steam Fishing Vessels (tonnage, 377).....	14	58,000
Sailing and Gasoline Vessels.....	667	1,633,499
Boats (sail).....	9,427	315,797
" (gasoline).....	3,481	785,374
Carrying Smacks.....	201	110,415
Gill Nets, Seines, Trap and Smelt Nets, etc.....	61,150	687,189
Weirs.....	108	23,505
Trawls.....	16,522	165,190
Hand Lines.....	29,375	23,380
Lobster Traps.....	787,387	726,879
" Canneries.....	231	288,755
Fish ".....	2	2,800
Freezers and Ice-houses.....	307	640,480
Smoke and Fish-houses.....	4,800	540,110
Fishing Piers and Wharves.....	1,760	1,108,837
Total		7,110,210

Number of men employed on Vessels.....	6,302
" " " Boats	15,648
" " " Carrying Smacks.....	362
" persons employed in Fish-houses, Freezers, Canneries, &c.	6,567
Total.	28,879

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APPENDIX No. 2.

NEW BRUNSWICK.

District No. 1.—Comprising the counties of Charlotte and St. John. Inspector, John F. Calder, Campobello.

District No. 2.—Comprising the counties of Albert, Westmorland, Kent, Northumberland, Gloucester and Restigouche. Inspector, D. Morrison, Newcastle.

District No. 3.—Comprising the counties of Kings, Queens, Sunbury, York, Carleton, Victoria and Madawaska. Inspector, H. E. Harrison, Fredericton.

REPORT ON THE FISHERIES OF DISTRICT No. 1.

To the Superintendent of Fisheries,
Ottawa.

SIR,—I have the honour to present herewith my eighth annual report on the fisheries of District No. 1, province of New Brunswick, together with the statistics of the different sub-divisions.

The value of the catch for this year is \$1,539,629, against \$1,612,599 for last year, a decrease of \$72,970. As a whole this has been a very unsatisfactory year for the fisheries of this district, yet at the same time some districts have done exceptionally well, especially the island of Grand Manan. All branches were prosperous there, more particularly the smoked herring industry. There was a fine run of medium herring in the weirs: large quantities were smoked and sold for good prices.

HERRING.

There was a slight increase in the quantity of herring caught as compared with the previous year, 197,297 cwt. being taken against 189,200 cwts. for 1912-13. There was, however, a large increase in the market value of cured herring, the figures being \$196,792 for 1912-13 and \$288,015 for this year. The increase in value, of course, is due to better prices being paid for the herring products.

SARDINES.

One hundred and forty-one thousand three hundred and eighty-four barrels of sardines were taken, against 280,282 barrels during the previous season. This shows an alarming falling off in the yield of this fishery, which is giving the fishermen much concern. The sardine fishery is the most extensive and profitable one in the district. In the past we have experienced a few poor seasons in this branch, but they have invariably been due to poor market conditions, which in turn were brought about by an over-supply of the raw material and the consequent over-stocking of the markets with the canned products. This year, however, we are confronted with a failure of the fishery. Good market conditions prevailed, a ready sale at remarkably good prices

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always obtained, and every available fish was taken from the weirs, yet at the same time there was a falling off in the catch of more than 50 per cent. On the other hand owing to the high prices paid at the weirs, the value of the catch was nearly as much as during the past year. But such a state of affairs is not satisfying. It is much better to have a plentiful supply at fair prices than to have a poor catch at very high prices. When fish are plentiful they are most generally to be found all along the shores, and all of the fishermen get a share, but when they are scarce they are to be found in a few localities, and many places do not get any. Then again with high prices prevailing the daily expenditures of the trawl and line fishermen for bait is almost prohibitive. Since last fall sardines have been selling at the weirs at prices ranging from \$15 to \$35 per hogshead of five barrels; therefore the fishermen have to pay from \$3 to \$7 per barrel for bait. Of course, I do not know if there is any way by which your Department could come to the relief of the line fishermen in this matter, for the weirmen have the right to charge the market prices for their catches. But if this scarcity is to continue, the whole matter of the sardine fishery must receive very serious consideration.

SALMON.

There is an appreciable increase to be reported in the salmon catch. Last year's catch was 3,295 cwts., while that of this year was 3,998 cwts. The prosperous condition of this fishery in this district is no doubt in a great measure due to the splendid results attending the operations of the salmon hatcheries. I had the pleasure during the past spring to attend a meeting of the Corporations Committee of the Provincial Legislature, along with a large delegation of fishermen from St. John, to enter a protest against a charter being given a hydro-electric company which would permit them to build a dam across the St. John river, at the Meductic rapids. Our objection to this dam was that it would prevent the salmon from reaching the spawning beds on the Tobique river, to which nearly all salmon ascending the St. John go. I am pleased to be able to state that the Legislature refused to grant the charter.

LOBSTERS.

There is not much change to report in the condition of the lobster fishery. A slight falling off in the catch is to be noticed—12,410 cwts. in 1912-13 and 11,751 cwts. this season. The shortage in the catch is altogether due to the extremely severe weather conditions obtaining during last winter. It is now a matter of record that it was the worst winter in this section that there had been for a quarter of a century at least. For weeks at a time the fishermen were unable to reach the traps even. Some illegal fishing was done during the close season, and no doubt some small lobsters were sold during the open season. I am in hopes that with the *Phalarope* and *Sea Gull* in commission this year that very little illegality of this kind will occur.

HAKE.

A large decrease in the catch of hake has to be reported. It is regrettable that the supply of these fish is apparently rapidly diminishing. It is in no wise to be attributed to over-fishing on local grounds, but rather to the extensive trawling which is carried on all the year round in the mouth of the bay of Fundy by American and Nova Scotia schooners.

There is little to note in the other branches.

In conclusion I desire to again express my appreciation of the courteous treatment from both yourself and your officials during the past year.

I am, sir, your obedient servant,

J. F. CALDER,
Inspector of Fisheries.

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REPORT ON THE FISHERIES OF DISTRICT No. 2.

To the Superintendent of Fisheries,
Ottawa.

SIR,—I have the honour to submit my first annual report on the fisheries of District No. 2 in the province of New Brunswick for the fiscal year 1913-14, together with a statistical statement of the quantities and value of fish taken, the material used, and the number of persons engaged in the fisheries in my district.

These returns show the value of fish to be \$2,694,640, against \$2,611,333 for the preceding year, or an increase in value of \$83,307, as compared with last year, notwithstanding the large falling off in shellfish.

SALMON.

The catch of salmon was good; although some of the districts show little increase, the returns for the whole district show a marked improvement, being 3,086 cwts. greater than 1912-13. The fall run was exceptionally good on the Miramichi river and with increased protection on the natural spawning beds and the assistance given through the hatcheries, there is every reason to believe this important industry will make steady progress.

LOBSTERS.

The returns show a falling off of 3,719 cases and an increased shipment in shell of 3,957 cwts. The market value of this shellfish, however, notwithstanding a falling off in quantity, shows an increase amounting to \$30,320, and with the new stringent regulations recommended by the Shellfish Commissioners, it is to be hoped that this important industry will be revived.

COD.

The catch of this fish was about the same as last year.

HERRING.

This fishery shows an increase in the catch of 105,345 cwts.; while the value is \$520,895, or \$94,513 greater than that for the preceding year.

MACKEREL.

There was a large increase in the catch of mackerel; the marketed value of the catch this year is \$168,166, against \$60,100 last year.

SMELTS.

There was a falling off in the catch of smelts of about 19,795 cwts. The reason for such a large decrease is found in the fact that very unfavourable weather conditions prevailed during the early part of the season, and in some districts the fishermen were unable to set their nets until late in January. Large nets were prohibited, and the close season was rigidly enforced.

OYSTERS.

There was an increase of 1,561 barrels of oysters, with an increased value of \$9,306.

CLAMS.

The increased value of clams was \$23,894.

I am, sir, your obedient servant,

D. MORRISON,
Inspector of Fisheries.

REPORT ON THE FISHERIES OF DISTRICT No. 3 (INLAND).

To the Superintendent of Fisheries,
Ottawa.

SIR,—I have the honour to submit my twelfth annual report on the inland fisheries of New Brunswick for the fiscal year 1913-14, together with a statement of the quantity and value of fish taken and the materials used therefor.

I am very pleased to be able to state that there are some encouraging particulars to be mentioned later in this report, and while there has been a falling off in the catch of only one kind of fish to any appreciable extent, that of pickerel, my overseers state that this fishery was not prosecuted to the extent that it was the previous year.

I have readjusted prices in some cases, which has affected the net financial showing, but which I believe to be nearer the true value to the fishermen.

A comparative statement of the values of fish and materials for the years 1912-13 and 1913-14 shows a slight increase in both:—

Years.	Value of Fish.	Value of Materials.
	\$	\$
1912-13	40,132	39,595
1913-14	41,948	45,213

SALMON.

I wish to make particular reference to the increased catch of salmon over the previous year, a most gratifying result, considering the fact that few additional licenses were issued.

The conditions in 1912-13 were not very favourable on account of heavy rises of water throughout the summer. This did not occur to so great an extent in 1913-14, and no doubt partly accounts for the satisfactory catch; but I am sure that the continual good work of the Department in placing salmon fry in the different tributaries of the St. John river, and the protection afforded the fish while ascending to their spawning grounds, is having its effect, and if a staff of good officers, not necessarily a great number, is allowed me, I feel that this fishery, barring unforeseen causes, can be improved from year to year, and with well-devised regulations such as we now have, will not be depleted by legitimate fishing.

For some reason few salmon were taken with the fly in the different pools in the St. John river this season, but for short periods at different times this sport was excellent on the Tobique river, and a fairly satisfactory season enjoyed by the members of the Tobique Salmon Club, the average weight of both salmon and grilse being good.

SHAD.

The officers in the counties of Kings, Queens and York report the fishermen as saying that shad were more plentiful this year than they were last; however, the return does not bear out the claim, which goes to show that it is difficult to get strictly reliable data. While I do not advocate it, and believe it is not wise to unnecessarily

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hedge about the fisheries with restrictions, I think, because of the great value of shad as a food fish, it might be well for the Department to consider the advisability of licensing the shad fishery as is the salmon fishery and others.

Overseer Worden of Queens county (north) has suggested, and requested me to ask the Department to restrict the number of nets that one person may set.

His reason for this is that one person will sometimes set several shad nets and, being unable to properly attend them, the meshed fish, or a great number of them, are destroyed by the fast increasing eels.

This restriction need not necessarily apply to the St. John river, because drift nets are used and it requires two men per net, but in the Washademoak lake and river the shad nets are set stationary, so that one person may, and does set and try to attend several, and is thus the cause of capturing much food for eels, too valuable a fish for that purpose.

I very heartily place the suggestion before the Department.

PICKEREL.

This fishery shows a very largely decreased catch compared with last year. My officers state that it was not followed up as in 1912-13, and I think it quite probable that it may have been somewhat overdone, that is, many of the large fish caught, leaving younger and smaller fish in the water for this year, and I have been led to this belief by fishermen.

I have been requested to suggest the advisability of making a close season for pickerel, as at present great quantities are taken in the summer and because of the time required to get them to the United States market, where most of them are sent, a large percentage is lost because of the warm weather, therefore it might be well to make the months of July, August and half of September a close season.

ALEWIVES.

A much smaller quantity of these fish were taken; nevertheless a large amount was marketed and financial returns were satisfactory.

BASS.

A most remarkable occurrence in connection with bass is the wonderful increase in the amount caught over that of last year and for many years previous.

A number of years ago, more than twenty, an old fisherman has said there was an immense run of these fish in the Belle Isle bay, Kings county, but for no known reason, unless because of over-fishing, they disappeared in one season and the catch has been almost nil since, not only in the Belle Isle water but the whole St. John river and tributaries.

Considering that the Belle Isle bay is only seven miles in length and about one-half mile wide, the run of bass must have been exceedingly good to catch 140 cwts., while only 20 cwts. were taken last season.

As there is a great demand for these fish, and being caught in the season when not a pound need be lost through heat, a snug sum of money was distributed amongst the farmers in that section.

I sincerely hope this will be an annual experience with these people, and think it would be interesting if some of your experts would tell us why bass act as they appear to in these waters.

EELS.

I have not a good word to speak for these "mud snakes." The return shows a larger quantity taken than in 1912-13, and fishermen state that they are increasing fast and no kind of fish that is netted is free from their attacks, often leaving but

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the skin of a salmon or shad for the fishermen, and even attacking large sturgeon and destroying much valuable roe of these fish.

Up to the present it has been impossible to catch eels in the winter, it being generally presumed that they bury themselves in the mud in cold weather, and the uncertainty of getting them into the United States market in the warm weather, seem to be more than enough protection for them.

I would respectfully suggest this: a plan to successfully catch eels in winter as a fit subject for the experts of the Department to consider.

I have much pleasure in reporting that, through the generous act of the Honourable the Minister, two modern fish-passes were placed in dams in the Salmon river, Victoria county, last season, and it is hoped that salmon will again ascend this small stream in considerable numbers.

A pass was also placed in a dam at the outlet of the Becaguimac stream, Carleton county, last summer by the owners.

On account of the dam at Marysville, near the mouth of the Nashwaak river, being carried away by ice last spring, a free passage was left for fish to ascend that stream, and it is hoped that, by restocking with fry, salmon will again become plentiful in those waters. I am unable to learn of any having passed up the Nashwaak river in 1913.

Trout fishing throughout the season of 1913 was reported to be the best for many years. This sport affords a deal of pleasure to hundreds of natives, and is becoming more attractive to foreign fishermen each season, and many United States people are building cottages beside our lakes and streams.

I am grateful for courteous treatment from the officials of the Department, and trust that my shortcomings have not been of a serious nature.

I am, sir, your obedient servant,

H. E. HARRISON,
Inspector of Fisheries.

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RETURN showing the Number of Fishermen, etc., the Number and Value of Vessels and Boats, and the Quantity and Value of all Fishing Gear, etc., used in the Fishing Industry in the Counties of **Charlotte** and **St. John**, Province of **New Brunswick**, during the year 1913-14.

Number.		Vessels, Boats and Carrying Snacks.										Fishing Gear.								
		Sailing and Gasoline Vessels.				Boats.				Carrying Snacks.		Gill Nets, Seines, Trap and Smelt Nets, etc.		Weirs.		Trawls.				
		20 to 40 tons. number.	10 to 20 tons. number.	Value. \$	Men.	Sail.	Value. \$	(Gasoline).	Value. \$	Men.	Number.	Value. \$	Number.	Value. \$	Number.	Value. \$	Number.	Value. \$		
<i>Charlotte County.</i>																				
1				1	2000	3	100	1500	27	7350	74	5	7200	15	85	4980	30	30000	61	200
2				9	6100	26	142	2810	70	17400	181	14	22,400	31	264	8650	57	30000	70	3016
3				4	1200	14	258	6840	30	5850	212	1	1000	26	284	5436	57	25785	61	900
4		3		9	67500	23	215	8600	37	11100	315	1	1000	2	407	11730	90	72000	6	120
5		1		55	33800	135	213	10650	182	54600	325				880	21100	56	84000	95	1860
6		3		5	4500	59	130	2400	111	33000	280				115	3240	23	9000	90	2000
7				1	1500	4	283	6100	150	45000	420	18	10000	36	340	7000	81	42000	15	300
		7		84	116600	269	1341	38900	607	173800	1807	39	41700	80	2375	62130	397	302780	341	8396
<i>St. John County.</i>																				
1							220	7920	45	15750	235				420	14400	26	17000		
2		1		4	2400	18	20	400	25	6240	50				25	2500	5	5000	25	1000
3				3	2400	6	100	2000	110	33000	220				1100	13520	30	15000	30	750
4				4	3000	8	12	145	12	1800	12	1	500	2						
5				3	1400		17	355	11	1575	20				11	160				
		1		14	9200	32	369	10820	203	68375	537	1	500	2	1556	30585	61	37000	50	1750

RETURN showing the Number of Fishermen, etc., the Number and Value of Vessels and Boats, and the Quantity and Value of all Fishing Gear, etc., used in the Fishing Industry in the Counties of Charlotte and St. John, Province of New Brunswick, during the year 1913-14.—*Concluded.*

Number.	Fishing Gear.				Canneries.				Other Material.				Persons Employed in Canneries, Freezers and Fish Houses.							
	Hand Lines.		Lobster Traps.		Lobster Canneries.		Sardine Canneries.		Clam Canneries.		Freezers and Ice Houses.			Smoke and Fish Houses.		Fishing Piers and Wharves.		Pile Drivers and Scows.		
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		Number.	Value.	Number.	Value.	Number.	Value.	
Fishing Districts.																				
Charlotte County.																				
1	...	...	2000	2000	...	...	...	...	3	12000	...	...	...	...	5	6000	12	1200	100
2	74	36	2410	2410	...	...	3	90000	3	4500	5	2800	33	10620	26	20100	30	1000	324
3	269	135	794	794	...	...	...	...	...	...	...	...	26	1720	16	670	39	1850	2
4	60	18	150	150	...	...	1	257100	1	2000	3	8430	2	2700	1	1000	250	4500	20
5	1010	1010	14900	14900	*3	6000	...	...	...	...	1	500	434	172800	96	90500	40	4000	400
6	500	250	1200	1200	*1	2500	...	...	...	...	...	...	90	6000	46	3400	30	1000	22
7	400	400	1490	1490	...	...	2	15000	2	4000	...	...	75	2800	60	4000	100	6000	100
Totals.				22944	22944	4	8500	6	362100	9	22500	9	11730	660	196640	250	125670	501	19550	968
St. John County.																				
1	...	...	800	800	...	...	...	...	...	...	11	95000	80	65000	54	85000	...	...	45
2	...	...	800	800	...	...	...	...	...	...	...	...	4	600	31	150	...	...	5
3	...	...	3000	3000	...	...	...	...	...	...	1	2500	36	3600	14	1100	...	...	16
4	...	...	870	870	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	15	15	1107	1107	
Totals.				6577	6577	12	97500	120	69200	71	86550	66

* Not operated.

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THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State in the Counties of Charlotte and St. John, Province of New Brunswick, during the year 1913-14.

Fishing Districts.	Number.											
	Salmon, cwt.*	Salmon, value.	LoBSTERS, cwt.	LoBSTERS, value.	Cod, cwt.	Cod, value.	Haddock, cwt.	Haddock, value.	Hake and C. cwt.	Hake and C. value.	Pollock, cwt.	Pollock, value.
<i>Charlotte County.</i>												
1 Lepreau to Red Head.....			626	9390							60	60
2 Red Head to L'Etang.....			884	13260	1440	2880	2700	6750	29000	21750	700	700
3 L'Etang to St. George.....			268	4020	1500	3000	800	2000	1200	975	4335	4335
4 St. George to St. Stephen.....			47	705	109	218	980	2450	468	351	70	70
5 Grand Manan.....			7070	106050	10093	20186	284	710	15520	11640	13563	174582
6 Campo Belle.....			413	6195	4500	9000	4500	11250	15800	11850	24134	530
7 West Isles.....			500	7500	150	300	148	370	300	225	28000	6000
Totals.....			9808	147120	17792	35584	9412	23530	62388	46791	70862	193757
<i>St. John County.</i>												
1 St. John Harbour.....	1250	18750	458	6870						1100		
2 Lepreau to Chance Harbour.....	648	9720	479	7185	360	720			1700	1275		
3 Chance Harbour to St. John.....	2100	31500	378	5670	680	1360	20	50	1092	819		
4 Mispec to Tynemouth Creek.....			301	4515						40		
Tynemouth to Albert County..			327	4905								
Totals.....	3998	59970	1943	29145	1040	2080	20	50	2792	2094	1250	27526

*Cwt. = 100 lbs.

THE CATCH.

Return showing the Quantities and Values of all Fish caught and landed in a Green State in the Counties of Charlotte and St John, Province of New Brunswick, during the year 1913-14—*Concluded.*

Number.	Fishing Districts.	Sardines, brls.		Sardines, value.		Halibut, cwt.		Halibut, value.		Flounders, cwt.		Flounders, value.		Smelts, cwt.		Smelts, value.		Fels, cwt.		Fels, value.		Squid, brls.		Squid, value.		Scallops, brls.		Scallops, value.		Clams, brls.		Clams, value.		Dulse, Crabs, Cockles and other shell fish, cwt.		Dulse, Crabs, Cockles and other shell fish, value.		Number.	
			\$		\$		\$		\$		\$		\$		\$		\$		\$		\$		%		%		%		%		%		%						
<i>Charlotte County.</i>																																							
1	Lepreau to Red Head	11750	23500			20	200			36	54			30	300											1150	1725	13850	13850							1			
2	Red Head to L'Etang	12000	24000																																		2		
3	L'Etang to St. George	30232	60464							144	216			14	140							5	20														3		
4	St. George to St. Stephen	24077	48154							500	750			14	140																						4		
5	Grand Manan	18645	37290	123	1230																	25	100			160	240	3750	3750	1400	1400	5847	5847	846	846			5	
6	Campo Bello	1730	3460	25	250																																6		
7	West Isles	21000	48000							300	450																										7		
Totals		122434	244868	168	1680	980	1470	58	580													30	120			1310	1965	26079	26079										
<i>St. John County.</i>																																							
1	St. John Harbour	7000	14000															80	640																			1	
2	Lepreau to Chance Harbour	3400	6800																																			2	
3	Chance Harbour to St. John	8550	17100																																			3	
4	Mispec to Tynemouth Creek																																					4	
5	Tynemouth to Albert County																																					5	
Totals		18950	37900															80	640																				

* Cwt. = 100 lbs.

THE CATCH MARKETING.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., State, for Counties of Charlotte and St. John, Province of New Brunswick, during the year 1913-1914.

Numbers.	Fishing Districts.	Salmon, used fresh and frozen, cwt.	Loabsters, shipped in shell, cwt.	Cod, used fresh, cwt.	Cod, shipped green-salted, cwt.	Cod, dried, quin-tals.	Haddock, used fresh, cwt.	Haddock, smoked, cwt.	Haddock, dried, quintals.	Hake and Cusk, used fresh, cwt.	Hake and Cusk, dried, quintals.	Pollock, used fresh, cwt.	Pollock, dried, quintals.	Herring, used fresh, cwt.	Herring, smoked, cwt.	Herring, canned, cases.	Herring, pickled, bbls.	Herring, used as bait.	Numbers.
<i>Charlotte County.</i>																			
1	Lepreau to Red Head		626									60							1
2	Red Head to L'Etang		884	207		411	130	700	390		9666		234		900	1332	273	1430	2
3	L'Etang to St. George		268	1250		80	800			1300		3800	180						3
4	St. George to St. Stephen		47		30	18	920	30			156	227	24		2046				4
5	Grand Manan		7070	748	594	2722	44		86		5176	12160	4440	47650	52595		310	10856	5
6	Campo Bel'o		413	3495		335	4500				5266	21500	3992		400			265	6
7	West Isles		500	150			148			300			2166					3000	7
	Totals		9808	5850	624	3566	6542	730	476	1600	20264	37747	11036	47650	55941	1332	588	15551	
	Rates	%	15	2	4	6	2.50	5.00	3.50	.75	3.50	1	3.50	1	3.50	5	5	2	
	Values	\$	147120	11700	2496	21396	16355	3650	1666	1200	70924	37747	38626	47650	195793	6660	2940	31162	
<i>St. John County.</i>																			
1	St. John Harbour	1250	458											1100					1
2	Lepreau to Chance Harbour	648	479		180						566								2
3	Chance Harbour to St. John	2100	378	680			20			180	300			2400					3
4	Mispec to Tynemouth-Creek		301											20			20		4
5	Tynemouth to Albert County		327																5
	Totals	3998	1943	680	180		20			180	866			3520			20		
	Rates	%	15	2	4		2.50			.75	3.50			1			5		
	Values	\$	59970	1360	720		30			135	3031			3520			100		

* Cwts. = 100 lbs. † Quintal = 112 lbs

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RECAPITULATION

OF the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., State, for District No. 1, Province of New Brunswick, during the year 1913-14.

Kinds of Fish.	Caught and landed in a Green State.		Marketed.		Total Marketed Value.
	Quantity	Value.	Quantity.	Value.	
		\$		\$	\$
Salmon..... cwts.	3,998	59,970			
" used fresh..... "			3,998		59,970
Lobsters..... "	11,751	176,265	11,751		176,265
shipped in shell..... "					
Cod..... "	18,832	37,664			
" used fresh..... "			6,530	13,060	
" green, salted..... "			804	3,216	
" dried..... "			3,566	21,396	37,672
Haddock..... "	9,432	23,580			
" used fresh..... "			6,562	16,385	
" smoked (finnans)..... "			730	3,650	
" dried..... "			176	1,666	21,701
Hake..... "	65,180	48,885			
" used fresh..... "			1,780	1,335	
" dried..... "			21,130	73,955	75,290
Pollock..... "	70,862	70,862			
" used fresh..... "			37,747	37,747	
" dried..... "			11,036	38,626	76,373
Herring..... "	197,297	197,297			
" used fres..... "			51,170	51,170	
" canned..... cases			1,332	6,660	
" smoked..... cwts.			55,941	195,793	
" pickled..... brls.			608	3,040	
" used as bait..... "			15,551	31,102	
" used as fertilizer..... "			250	250	288,015
Mackerel..... cwts.	910	3,640			
" used fresh..... "			250	1,000	
" salted..... brls.			224	2,640	3,640
Shad..... cwts.	1,450	7,250			
" used fresh..... "			1,345	6,725	
" salted..... brls.			35	525	7,250
Alewives..... cwts.	27,526	27,526			
" used fresh..... "			5,026	5,026	
" salted..... brls.			7,500	37,500	42,526
Sardines..... "	141,384	282,768			
" canned..... cases			85,700	428,500	
" sold fresh or salted..... brls.			124,084	248,168	676,668
Halibut, used fresh..... cwts.	168	1,680	168		1,680
Flounders..... "	980	1,470	980		1,470

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and Landed in a Green State in the County of Victoria, Province of Nova Scotia, during the year 1913-14.

Fishing Districts.	Salmon, * cwts.	Salmon, value.		Lobsters, cwts.	Lobsters, value.	Cod, cwts.		Cod, value.	Haddock, cwts.	Haddock, value.	Hake and Cusk, cwts.		Hake and Cusk, value.	Pollock, cwts.		Pollock, value.	Herring, cwts.	Herring, value.	Mackerel, cwts.	Mackerel, value.	Shad, cwts.	Shad, value.	Number.
		\$	¢			\$	¢				\$	¢		\$	¢								
Victoria County.																							
1 Iona, Washabuck and Little Narrows..	48	576	55	275	476	952	.....	90	67	.....	.....	250	175	20	40	.....	90	180	.....	.....	.....	.....	1
2 Cape Smokey to Wreck Cove.....	35	280	625	3125	400	400	90	67	.....	.....	.....	332	222	820	410	.....	48	96	.....	.....	.....	.....	2
3 Breton Cove and vicinity to Englishtown	55	440	1362	6810	460	460	104	77	.....	.....	.....	.....	.....	7105	3552	.....	48	96	.....	.....	.....	.....	3
4 Baddeck and vicinity.	30	320	.....	.....	238	616	9	21	.....	.....	.....	.....	.....	350	386	.....	1	9	.....	.....	.....	.....	4
5 Ingonish.....	77	770	1282	5771	8401	12601	14892	14892	.....	.....	.....	532	479	1312	1624	.....	1312	3317	.....	.....	.....	.....	5
6 Neil's Harbour and New Haven.	20	140	1640	7380	8200	12563	4150	3950	30	27	160	144	990	687	240	.....	240	720	.....	.....	.....	.....	6
7 White Point, Dingwall and Sugar-Loaf.	173	1557	1102	4959	3100	4850	1200	1112	18	16	300	270	1040	705	120	.....	120	480	.....	.....	.....	.....	7
8 Meat Cove, Bay St-Lawrence and vicinity.....	129	1032	1531	6889	1125	1688	164	164	.....	.....	48	43	826	589	87	.....	87	318	.....	.....	.....	.....	8
9 Big Bras d'Or.....	.....	.....	.....	.....	270	405	.....	.....	.....	.....	.....	.....	.....	105	90	.....	.....	.....	.....	.....	.....	.....	9
Totals.....	567	5115	7597	35209	22670	31538	20609	20283	48	43	1622	1333	12568	8083	1898	1898	5150

*Cwt. 100 lbs.

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THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State in the County of Victoria, Province of Nova Scotia, during the year 1913-14.—*Concluded.*

Number.	Fishing Districts.	Alewives, *cwt.	Alewives, value.	Sardines, brls.	Sardines, value.	Halibut, cwt.	Halibut, value.	Smelts, cwt.	Smelts, value.	Trout, cwt.	Trout, value.	Eels, cwt.	Eels, value.	Sword-fish, cwt.	Sword-fish, value.	Squid, brls.	Squid, value.	Oysters, brls.	Oysters, value.	Clams, brls.	Clams, value.	Number.	
<i>Victoria County.</i>																							
1	Iona, Washabuck and Little Narrows..	10	10																446	1338			1
2	Cape Smokey to Wreck Cove.....																						2
3	Breton Cove and vicinity to Englishtown																						3
4	Baddeck and vicinity.....	5	10					9	53										15	45			4
5	Ingonish.....					5	25	26	156					25	125								5
6	Neil's Harbour and New Haven.....					86	430	1	4								3	9					6
7	White Point, Dingwall and Sugar Loaf.					90	450	8	32	2	16	8	24	120	420	5	15						7
8	Meat Cove, Bay St. Lawrence and vicinity.					59	177	2	8	1	8	2	6	124	434	1	3						8
9	Big Bras-d'Or.....																						9
Totals.....		15	20			240	1082	46	253	3	24	10	30	269	979	9	27	461	1383				

* Cwt. = 100 lbs.

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West Coast													
11	Electricity, &c.	12	900	38	20	15,100	10	3,000	457	1	500	34%	34450
12	Provisioning, &c.	12	3000	12	25	20,000	11	5,000	1000	1	500	2,000	20750
13	Commissary, &c.				140	12,000	7	3,000	500			1154	12,500
	Total	12	9,000	50	1252	47,100	28	12,000	2000	1	500	7500	70410
West Coast—continued													
14	Schools, &c.				510	10,000	10	3,000	97	1	500	3572	2554
15	Wages, &c.				300	2000	200	40,000	1000	1	500	1210	12,500
16	Stores, &c.				500	1,000	50	10,000	1000	5	2500	716	500
17	Transportation				50	2,000			64			160	1,000
	Total				1000	40,000	250	5,000	2000	1	500	6700	47000
18	Loss of funds				15	500	2	500	2			200	500
	Grand Total	11	864	134,000	5416	2,96,300	331	59,000	10,670	25	7150	65106	61,650

RETURN showing the Number of Fishermen, &c., the Number and Value of Vessels and Boats, and the Quantity and Value of all Fishing Gear, &c., used in the Fishing Industry in the Counties of Restigouche, Gloucester, Northumberland, Kent, Westmorland and Albert, Province of New Brunswick, during the year 1913-14—Concluded.

Fishing Districts.	Fishing Gear.				Canneries.				Other Material.						Persons employed in Canneries, Freezers and Fish-Houses.	Number.
	Hand lines.		Lobster traps.		Lobster canneries.		Clam canneries.		Freezers and Ice-Houses.		Smoke and Fish-Houses.		Fishing Piers and Wharves.			
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		
<i>Restigouche County.</i>																
1 Above Dalhousie.	80	40	3800	3250	4	1150	3000	9	3000	25	1500	2	800	30	1	2
2 Below Dalhousie.	40	20	3800	10050	10	6000	3400	9	3400	8	1200	4	2100	50	200	
Totals.	120	60	3800	3250	15	9250	2	3000	10	15000	42	4600	6	2900	80	
<i>Gloucester County.</i>																
3 Beresford, &c.	300	150	3250	3250	4	1150	3000	9	3000	25	1500	2	800	100	2	
4 Bathurst, &c.	420	300	10050	10050	10	6000	3400	9	3400	8	1200	4	2100	230	2	
5 Caraquet &c., and New Brandon, &c.	2100	1500	2250	2250	6	6100	3600	6	3600	31	8500	2	1500	475	2	
6 Shippigan and Miscon Island.	1800	800	45900	45900	49	33800	5000	8	5000	28	8400	2	2000	840	2	
7 Fracachie, Inkerman, &c.	725	375	17300	17300	15	9250	15000	10	15000	42	4600	2	1600	480	2	
Totals	5345	3125	78750	78750	84	56300	2	3000	42	30000	134	24200	8	6900	2125	
<i>Northumberland County.</i>																
8 Chatham, Neguac, &c.	180	100	18500	18500	12	10950	14000	22	14000	80	13000	2	800	345	8	
9 Bay-du-Vin, &c.	50	30	10000	10000	4	4500	4200	8	4200	2	800	2	700	260	9	
10 Southwest and Northwest Miramichi River.							2000	7	2000	28	700			48	10	
Totals	230	130	28500	28500	16	15450	20200	37	20200	110	14500			653		

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<i>Kent County.</i>														
11	Richibucto, &c	220	90	27900	12	13500	1	400	21	18600	8	600	15	7500
12	Buctouche, &c	350	150	12760	16	10150			8	7000	5	500		315
13	Couagne, &c	300	150	8300	8	5100	1	800	3	1000				154
	Totals	870	390	48960	36	28750	2	1200	32	26600	13	1100	15	765
<i>Westmorland County.</i>														
14	Shediac, &c	90	40	23500	18	20500			10	12000	12	8000		415
15	Botford	100	40	39500	20	19550			35	8000	50	3500	14	954
16	Sackville and Westmorland	100	40						30	2600	100	8000	10	280
17	Dorchester										15	300	1	30
	Totals	290	120	63000	38	40050			75	22600	177	19800	25	1679
18	<i>West County.</i>			150							2	120		
	Grand totals	685	382	223160	175	142050	4	4200	194	123900	442	62620	49	5302

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State, in **District No. 2**, Province of **New Brunswick**, during the year 1913-14.

Number.	Fishing Districts.	Salmon, *cwts.	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake and Cusk, cwts.	Hake and Cusk, value.	Herring, cwts.	Herring, value.	Number.
	<i>Restigouche County.</i>		\$		\$		\$		\$		\$		\$	
1	Above Dalhousie.....	1125	16875			150	225							1
2	Below Dalhousie.....	1511	22665	680	3400	342	513			230	230	6403	3842	2
	Totals.....	2636	39540	680	3400	492	738			230	230	6403	3842	
	<i>Gloucester County.</i>													
3	Beresford, &c.....	1212	18180	524	2620	5826	8739					39445	23667	3
4	Bathurst, New Bandon, &c.	803	12045	1425	7125	18132	28698					17180	10308	4
5	Caraquet, &c.....			535	2675	112900	169750	1500	1500	2000	2000	70000	42000	5
6	Shippigan and Miscou Island.....			10460	52300	57000	85500	1620	1620	2370	2370	45220	27132	6
7	Tracadie, Inkerman, &c.	935	14025	5212	26060	20525	30787					34180	20708	7
	Totals.....	2950	44250	18156	90780	214382	323074	3120	3120	4370	4370	206025	123615	
	<i>Northumberland County</i>													
8	Chatham Neguac, &c..	1560	23400	4572	22860	1445	2168					17198	10319	8
9	Bay du Vin, &c.....	3475	52125	3550	17750	428	642					11359	6815	9
10	Southwest and North-west Miramichi River, &c.	525	7875											10
	Totals	5560	83400	8122	40610	1873	2810					28557	17134	
	<i>Kent County.</i>													
11	Richibucto, &c.....	1756	26340	8850	44250	1874	2811	70	70	3390	3390	42900	25740	11
12	Buctouche, &c.....			3620	18100	377	566					48625	29175	12
13	Cocagne, &c.....			3165	15825	20	75					55154	33092	13
	Totals.....	1756	26340	15635	78175	2301	3452	70	70	3390	3390	146679	89007	
	<i>Westmorland County.</i>													
14	Shediac, &c.....	100	1500	11450	57250	820	1230	50	50	3450	3450	177000	106200	14
15	Botsford			12293	61465							77800	46680	15
16	Sackville and Westmorland.....	15	225			44	66					28000	16800	16
17	Dorchester	60	900			190	285					195	117	17
	Totals.....	175	2625	23743	118715	1054	1581	50	50	3450	3450	282995	169797	
18	<i>Albert County</i>	13	195	90	450	1500	2250					170	102	18
	Grand totals.....	13099	196350	66426	332130	221603	333905	3240	3240	11440	11440	670829	402497	

* Cwt. = 100 lbs

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THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State, in District No. 2, Province of New Brunswick, during the year 1913-14—Continued..

Number.	Fishing Districts.	Mackerel, cwts.	Mackerel, value.	Shad, cwts.	Shad, value.	Alewives, cwts.	Alewives, value.	Halibut, cwts.	Halibut, value.	Flounders, cwts.	Flounders, value.	Smelts, cwts.	Smelts, value.	Number.
	<i>Restigouche County.</i>		\$		\$		\$		\$		\$		\$	
1	Above Dalhousie.....									1000	1500	3951	23706	1
2	Below Dalhousie.....	3	21	10	80					100	150	740	4410	2
	Totals.....	3	21	10	80					1100	1650	4691	28146	
	<i>Gloucester County.</i>													
3	Beresford, &c.....									80	120	20	120	3
4	Bathurst & New Bandon,&c	65	455					135	1080	40	60	860	5160	4
5	Caraquet, &c.....	360	2520					200	1600			2000	12000	5
6	Shippigan & Miscou Island.	2064	14448					100	800			2520	15120	6
7	Tracadie, Inkerman, &c....	5432	38024			1975	1185	120	960			3995	23970	7
	Totals.....	7921	55447			1975	1185	555	4440	120	180	9995	56370	
	<i>Northumberland County.</i>													
8	Chatham, Neguac, &c.....	231	1967	201	1608	1180	708			1010	1515	15548	93288	8
9	Bay du Vin, &c.....	2476	17332	125	1000	684	410			350	525	12675	76050	9
10	Southwest and Northwest Miramichi River.....			122	976	1600	960					160	960	10
	Totals.....	2757	19299	448	3584	3464	2078			1360	2040	28383	170298	
	<i>Kent County.</i>													
11	Richibucto, &c.....	4284	29988	171	1368	2500	1500			201	302	4300	25800	11
12	Bactouche, &c.....	320	2240			500	300			140	210	3940	23640	12
13	Cocagne, &c.....	50	350			500	300			30	45	1890	11340	13
	Totals.....	4654	32578	171	1368	3500	2100			371	557	10130	60780	
	<i>Westmorland County.</i>													
14	Shediac, &c.....	1480	10360	8	64	600	360			310	465	4030	24180	14
15	Botsford.....					100	60					2780	16680	15
16	Sackville and Westmorland.			146	1168	600	360					650	3900	16
17	Dorchester.....			590	4720									17
	Totals.....	1480	10360	744	5952	1300	780			310	465	7460	44760	
18	Albert County.....	16	112	35	288					20	30			18
	Grand totals.....	16831	117817	1409	11272	10239	6143	555	4440	3281	4922	60059	360354	

* Cwt. = 100 lbs.

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State, in District No. 2, Province of New Brunswick, during the year 1913-14—Continued.

Number.	Fishing Districts.	Trout, cwts.	Trout, value.	Sturgeon, cwts.	Sturgeon, value.	Bass, cwts.	Bass, value.	Eels, cwts.	Eels, value.	Tom-cod, cwts.	Tom-cod, value.	Number.
	<i>Restigouche County.</i>		\$		\$		\$		\$		\$	
1	Above Dalhousie.	30	240	.....	.....	20	200	50	300	50	75	1
2	Below Dalhousie.	125	1000	.....	.....	10	100	40	240	24	36	2
	Totals	155	1240	.....	.....	30	300	90	540	74	111	
	<i>Gloucester County.</i>											
3	Beresford, &c.	40	320	.....	.....	12	120	30	180	50	75	3
4	Bathurst, New Bandon, &c.	50	400	.....	.....	25	250	40	240	250	3750	4
5	Caraquet, &c.	20	160	.....	.....	25	250	50	300	100	150	5
6	Shippigan & Miscou Island.	10	80	.....	.....	42	420	65	390	.....	.....	6
7	Tracadie, Inkerman, &c.	95	760	.....	.....	160	1600	544	3264	70	105	7
	Totals	215	1720	.....	.....	264	2640	729	4374	2720	4080	
	<i>Northumberland County.</i>											
8	Chatham, Neguac, &c.	65	520	.....	.....	60	600	96	576	14060	21090	8
9	Baie du Vin, &c.	40	320	.....	.....	140	1400	60	360	650	975	9
10	Southwest and Northwest, Miramichi River.	1240	9920	.....	.....	280	2800	300	1800	.....	.....	10
	Totals	1345	10760	.....	.....	480	4800	456	2736	14710	22065	
	<i>Kent County.</i>											
11	Richibucto, &c.	50	400	.....	.....	717	7170	70	420	130	195	11
12	Buctouche, &c.	45	360	.....	.....	50	500	200	1200	60	90	12
13	Cocagne, &c.	35	280	.....	.....	50	500	85	510	20	30	13
	Totals	130	1040	.....	.....	817	8170	355	2130	210	315	
	<i>Westmorland County.</i>											
14	Shediac, &c.	60	480	.....	.....	40	400	40	240	280	420	14
15	Botsford.	50	400	.....	.....	30	300	50	300	.....	.....	15
16	Sackville & Westmorland.	35	280	45	225	20	200	45	270	.....	.....	16
17	Dorchester.	30	240	60	300	.....	.....	45	270	50	75	17
	Totals	175	1400	105	525	90	900	180	1080	330	495	
18	<i>Albert County.</i>	95	760	.....	.....	10	100	50	300	40	60	18
	Grand totals	2115	16920	105	525	1691	16910	1860	11160	18084	27120	

* Cwt. = 100 lbs.

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THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State, in **District No. 2**, Province of **New Brunswick**, during the year 1913-14—*Concluded*.

Number.	Fishing Districts.	Mixed fish, cwts.	Mixed fish, value.	Oysters, brls.	Oysters, value.	Clams, brls.	Clams, value.	Quabaugs, brls.	Quabaugs, value.	Cockles, Crabs, &c., cwts.	Cockles, Crabs, &c., value.	Number.
	<i>Restigouche County.</i>		\$		\$		\$		\$		\$	
1	Above Dalhousie					10	20					1
2	Below Dalhousie	100	100			25	50					2
	Totals	100	100			35	70					
	<i>Gloucester County.</i>											
3	Beresford, &c.					165	330					3
4	Bathurst, New Bandon, &c.			40	200	80	160					4
5	Caraquet, &c.			220	1100	850	1700					5
6	Shippigan & Miscou Island			20	100	800	1600					6
7	Tracadie, Inkerman, &c.					7100	14200					7
	Totals ..			280	1400	8995	17990					
	<i>Northumberland County.</i>											
8	Chatham, Neguac, &c.			2000	10000	2780	5560					8
9	Bay du Vin, &c.			2505	12525							9
10	Southwest and Northwest, Miramichi River											10
	Totals.			4505	22525	2780	5560					
	<i>Kent County.</i>											
11	Richibucto, &c.	80	80	1373	6865	26	52			12	12	11
12	Buctouche, &c.			1603	8015	125	250	4073	8146			12
13	Cocagne, &c.			1282	6410			6804	13608			13
	Totals ..	80	80	4258	21290	151	302	10877	21754	12	12	
	<i>Westmorland County.</i>											
14	Shediac, &c.			1662	7810	700	1400	5353	10706			14
15	Botsford			150	750	40	80	180	360			15
16	Sackville & Westmorland			45	225	23	66					16
17	Dorchester					30	60					17
	Totals.			1757	8785	803	1606	5533	11066			
18	<i>Albert County</i> ..					40	80					18
	Grand totals...	180	180	10800	54000	12804	25608	16410	32820	12	12	

* Cwt. = 100 lbs.

THE CATCH MARKETING.

RETURN showing the Quantities and Value of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for District No. 2, Province of New Brunswick, during the year 1913-14.

Number.	Fishing Districts.												Number.					
	Alewives, used fresh, cwts.	Alewives, salted, brls.	Halibut, used fresh, cwts.	Flounders, used fresh, cwts.	Smelts, used fresh, cwts.	Trout, used fresh, cwts.	Sturgeon, used fresh, cwts.	Bass, used fresh, cwts.	Eels, used fresh, cwts.	Tom-cod, used fresh, cwts.	Mixed fish, used fresh, cwts.	Oysters, used fresh, brls.		Clams and quahaugs, used fresh, brls.	Clams and quahaugs, canned cases.	Dulse, crabs, cockles and other shell fish, used fresh, cwts.	Tongues and sounds, pickled or dried, cwts.	Fish oil, gals.
Restigouche County.																		
1 Above Dalhousie.....				1000	3951	30		20	50	50			10				1	
2 Below Dalhousie				100	740	125		10	40	24	100		25				30	
Totals				1100	4691	155		30	90	74	100		35				30	
Gloucester County.																		
3 Beresford, &c.				80	20	40		12	30	50			165					
4 Bathurst, New Bandon, &c.			135	40	860	50		25	40	2500		40	80				400	
5 Caraquet, &c.....			200		2000	20		25	50	100		220	850			300	11000	
6 Shippigan and Miscon Island.....			100		2520	10		42	65			20	800			200	17500	
7 Tracadie, Inkerman, &c.....	100	625	120		3995	95		160	544	70				7100		100	3200	
Totals	100	625	555	120	9395	215		264	729	2720		280	1895	7100		600	32100	
Northumberland County.																		
8 Chatham, Neguac, &c.....	160	340		1010	15518	65		60	96	14060		2000	2780					
9 Bay du Vin, &c.....		228		350	12675	40		140	60	650		2505						
10 Southwest and Northwest Miramichi River.....	200	467			160	1240		280	300									
Totals	360	1035		1360	28383	1345		480	456	14710		4505	2780					

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<i>Kent County.</i>														
11 Richibucto, &c.	100	800	201	4300	50	717	70	130	80	1373	26	12	34	812
12 Buctouche, &c.	50	150	140	3940	45	50	200	60	...	1603	4198	...	...	100
13 Cocagne, &c.	50	150	30	1890	35	50	85	20	...	1282	6204	600	...	13
Totals	200	1100	371	10130	130	817	355	210	80	4258	10428	600	12	912
<i>Westmorland County.</i>														
14 Shepila, &c.	...	200	310	4030	60	40	40	280	...	1562	6053	...	...	14
15 Botsford	100	...	...	2780	50	30	50	...	...	150	226	...	...	15
16 Sackville and Westmorland	600	...	...	650	35	45	45	...	...	45	33	...	...	16
17 Dorchester	...	...	...	...	30	60	45	50	...	...	30	...	...	17
Totals	700	200	310	7460	175	105	180	330	...	1757	6336	...	...	...
<i>Albert County.</i>														
18	...	...	20	...	95	10	50	40	...	...	40	...	...	18
Totals	1360	2960	3281	60059	2115	1691	1860	18084	180	10800	21514	7700	12	33042
Rates	1	3	2	10	10	5	8	2	1	6	3	5	1.50	.30
Values	1360	8880	6562	600590	21150	525	14880	36168	180	64800	64542	38500	18	9913

Total value..... \$2,694,640.

* Cwt. 100 lbs. 4 Quintal 112 lbs.

RECAPITULATION.

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, &c., state, for District No. 2, Province of New Brunswick, during the year 1913-14.

Kinds of Fish.	Caught and landed in a Green State.		Marketed.		Total Marketed Value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	\$
Salmon cwts.	13,090	196,350			
" used fresh "			13,090	196,350	196,350
LoBSTERS "	66,426	332,130			
" canned cases.			24,586	491,720	
" shipped in shell cwts.			4,965	24,825	516,545
Cod "	221,603	333,905			
" used fresh "			4,857	9,714	
" green—salted "			11,581	34,743	
" dried "			64,528	322,640	367,057
Haddock "	3,240	3,240			
" used fresh "			120	240	
" dried "			1,040	3,120	3,360
Hake "	11,440	11,440			
" used fresh "			3,581	5,372	
" dried "			2,620	7,860	13,232
Herring "	670,829	402,497			
" used fresh "			27,677	27,677	
" smoked "			35,084	70,168	
" pickled brls.			68,569	274,276	
" used as bait "			56,969	85,454	
" used as fertilizer "			126,640	63,320	520,895
Mackerel cwts.	16,831	117,817			
" used fresh "			16,807	168,070	
" salted brls.			8	96	168,166
Shad cwts.	1,409	11,272			
" used fresh "			974	9,740	
" salted brls.			145	2,175	11,915
AlWIVES cwts.	10,239	6,143			
" used fresh "			1,360	1,360	
" salted brls.			2,960	8,880	10,240
Halibut, used fresh cwts.	555	4,440	555		5,550
Flounders "	3,281	4,922	3,281		6,562
Smelts "	60,059	360,354	60,059		600,590
Trout "	2,115	16,920	2,115		21,150
Sturgeon "	105	525	105		525
Bass "	1,691	16,910	1,691		20,292
Eels "	1,860	11,160	1,860		14,880
Pan Cod "	18,084	27,126	18,084		36,168
Mixed Fish "	180	180	180		180
Oysters "	10,800	54,000	10,800		64,800
Clams "	29,214	58,428			
" used fresh "			21,514	64,542	
" canned cases.			7,700	38,500	103,042
Dulse, Cockles and other shell fish cwts	12	12	12		12
Tongues and Sounds "			634		1,170
Fish Oil galls.			33,042		9,913
Totals		1,969,771			2,694,640

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RECAPITULATION.

Of the Number of Fishermen, etc., and of the Number and Value of Fishing Vessels, Boats, Nets, etc., in District No. 2, Province of New Brunswick, for the year 1913-14.

	Number.	Value.
		\$
Sailing and Gasoline Vessels.....	265	134,700
Boats (sail and row).....	5,416	236,390
Boats (gasoline).....	331	89,850
Carrying Smacks.....	25	7,130
Gill Nets, Seines, Trap and Smelt Nets, etc.....	55,196	515,385
Weirs.....	11	1,100
Trawls.....	438	3,250
Hand Lines	6,855	3,825
Lobsters Traps.....	223,160	223,160
Lobsters Canneries.....	175	142,050
Clam Canneries.....	4	4,200
Freezers and Ice-houses.....	194	123,900
Smoke and Fish-houses	442	62,620
Fishing Piers and Wharves.....	49	19,900
		1,567,460

Number of men employed on Vessels.....	1,050
" " " Boats.....	10,539
" " " Carrying Smacks.....	49
" persons employed in Fish-houses, Freezers, Canneries, &c... ..	5,302
Total	16,940

DISTRICT No. 3 (Inland).

RETURN showing the Number of Fishermen, etc., the Number and Value of Tugs, Vessels and Boats, and the Quantity and Value of all Fishing Gear and other Material used in the Fishing Industry in the Counties of **Kings, Queens, Sunbury, York, Carleton, Victoria and Madawaska**, Province of **New Brunswick**, during the year 1913-14.

Number.	Fishing Districts.			Boats.					Gill Nets.		Eel Traps.		Rods and Lines.		Freezers and Ice-houses.		Smoke and Fish-houses.	
	Sail.	Value.	(Gasoline.)	Value.	Men.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.			
County of Kings.																		
1	35	700	3	600	60	100	2000	...	...	55	110	...	...	10	100	1
2	30	300	1	160	20	125	1500	78	78	370	555	...	...	25	250	2
3	16	192	...	...	60	100	1200	...	...	75	150	...	...	...	...	3
Totals	81	1192	4	760	140	325	4700	78	78	500	815	...	...	35	350	
County of Queens.																		
4	72	720	4	600	126	360	2880	...	...	100	250	...	...	35	280	4
5	90	900	5	1200	150	280	2240	20	100	50	125	10	100	15	150	5		
Totals	162	1620	9	1800	276	640	5120	20	100	150	375	10	100	50	430			
6	30	450	2	500	45	580	4640	...	...	90	200	...	...	15	250	6
County of York.																		
7	95	950	10	1000	110	110	2200	...	...	300	600	...	...	...	...	7
8	110	1800	18	7000	135	...	...	...	...	500	1000	3	450	...	...	8
9	25	250	...	...	35	30	200	...	...	125	250	...	...	...	...	9
Totals	230	3000	28	8000	280	140	2400	...	...	925	1850	3	450	...	...	
County of Carleton.																		
10	55	330	55	50	750	100	200	10		
11	10	100	10	50	200	11		
Totals	65	430	65	50	750	150	400			

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										12	13
<i>County of Victoria.</i>									
12 St. John River District.....	11	198
13 Tobique River and Lakes.....	30	600	500
Totals.....	41	798	.....	.....	.....	.....	.....	.....	.....	500	.....
<i>County of Madawaska.</i>										.....	.....
14 Madawaska River and Eastward.....	150	950
15 West of Madawaska River.....	80	460	2	250
Totals.....	230	1410	2	250

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Victoria County.									
12	St. John River District ..	3	45	26	260				12
13	Tobique River and Lakes ..	50	750	70	700				13
Totals		53	795	96	960				
Madawaska County.									
14	Madawaska River and eastward	7	105	125	1250				14
15	West of Madawaska River			50	500	26	390		15
Totals		7	105	175	1750	26	390		

* Cwt. = 100 lbs.

THE CATCH

RETURN showing the Quantities and Values of all Fish caught and marketed or consumed locally for the Counties of **Kings, Queens, Sunbury, York, Carleton, Victoria and Madawaska**, Province of **New Brunswick**, during the year 1913-14.
—Concluded.

Fishing Districts.	Fels, cwts.*	Fels, value.	Perch, cwts.	Perch, value.	Alewives, cwts.	Alewives, value.	Shad, cwts.	Shad, value.	Gaspereaux, cwts.	Gaspereaux, value.	Mixed Fish, cwts.†	Mixed Fish, value.†	Caviare, cwts.	Caviare, value.	Number.
Kings County.															
1 St. John River District.....					150	300	40	200			25	25	1	100	1
2 Kennebecasis River District....	134	670			129	258	126	630			50	50			2
3 Belle Isle Bay and River District.....					30	60	17	85			10	10			3
Totals.....	134	670			309	618	183	915			85	85	1	100	
Queens County.															
4 Northwestern Section.....					560	1120	221	1105			30	30			4
5 Southwestern Section.....	32	160			800	1600	330	1650			30	30			5
Totals.....	32	160			1360	2720	551	2755			60	60			
6 Sunbury County (in all).....					2066	4132	12	60			50	50	1	50	6
York County.															
7 St. John River District.....							75	375	25	50	5	5			7
8 St. Croix, Magaguadavic and Oromocto Waters ..			4	16					10	20	10	10			8
9 Southwest Miramichi Waters ..									40	80	2	2			9
Totals.....			4	16			75	375	75	150	17	17			
Carleton County.															
10 St. John River and Westward.....							10	50			10	10			10
11 East of St. John River.....											5	5			11
Totals.....							10	50			15	15			

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Victoria County.									
12	St. John River District	16	80	8	10	15	15	12	
13	Tobique River and Lakes					10	10	13	
	Totals...	16	80	8	10	25	25		
Madawaska County.									
4	Madawaska River and Eastward...					85	85	14	
15	West of Madawaska River					25	25	15	
	Totals					110	110		

* Cwt. = 100 lbs. + "Mixed Fish" includes greyling, bull-heads and ouananiche.

RECAPITULATION.

Of the Yield and Value of the Fisheries in District No. 3, Province of New Brunswick, during the year 1913-14.

Kinds of Fish.	Quantity.	Value.
		\$
Salmon.....*Cwts.	897	13,455
Trout....."	728	7,280
Whitefish....."	26	390
Bass....."	159	1,590
Pickarel....."	528	5,280
Sturgeon....."	70	700
Eels....."	182	910
Perch....."	4	16
Alewives....."	3,810	7,620
Shad, fresh....."	788	3,940
" salted....."	51	255
Mixed fish....."	362	362
Caviare....."	1½	150
		41,948

Quantity consumed in Canada.....6
" exported to U.S.A.....4
* Cwts.=100 lbs.

RECAPITULATION.

Of the Number and Value of Boats, Nets, Traps, &c., used in the Fisheries in District No. 3, Province of New Brunswick, during the year 1913-14.

	Number.	Value.
		\$
Boats (sail).....	839	8,900
" (gasoline).....	45	11,310
Gill-nets, seines and other nets.....	1,740	17,660
Eel traps.....	98	178
Rods and lines.....	2,455	5,085
Freezers and ice-houses.....	18	1,050
Smoke and fish-houses.....	100	1,030
Lodges built and used by native and foreign sport fishermen.....	55	64,000
		109,213

Number of men employed on boats 1,169

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RECAPITULATION.

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state, for whole of New Brunswick, during the year 1913-1914.

Kinds of Fish.	Sea Fisheries.				Inland Fisheries.		Total, both Fisheries.		Total Marketed Value.
	Caught and landed in a Green State.		Marketed.		Marketed.		Marketed.		
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
		\$		\$		\$		\$	
Salmon.....cwts.	17088	256320							
" used fresh....."			17088	256320	897	13,455	17985		269775
Lobsters....."	78177	508395							
" canned.....cases			24586	491720			24586	491720	
" ship. in shell..cwts.			16716	201090			16716	201090	692810
Cod.....cwts.	240435	371569							
" used fresh....."			11387	22774			11387	22774	
" green salted..."			12385	37959			12385	37959	
" dried....."			68094	344036			68094	344036	404769
Haddock....."	12672	26820							
" used fresh....."			6682	16625			6682	16625	
" smoked....."			730	3650			730	3650	
" dried....."			1516	4786			1516	4786	25061
Hake....."	76620	60325							
" used fresh....."			5361	6707			5361	6707	
" dried....."			23750	81815			23750	81815	88522
Pollock....."	70862	70862							
" used fresh....."			37747	37747			37747	37747	
" dried....."			11036	38626			11036	38626	76373
Herring....."	868126	599794							
" used fresh....."			78847	78847			78847	78847	
" canned.....cases			1332	6660			1332	6660	
" smoked.....cwts.			91025	265961			91025	265961	
" pickled.....brls.			69177	277316			69177	277316	
" used as bait....."			72520	116556			72520	116556	
" used as fertil....."			126890	63570			126890	63570	808910
Mackerel.....cwts.	17741	121457							
" used fresh....."			17057	169070			17057	169070	
" salted.....brls.			232	2736			232	2736	171806
Shad.....cwts.	2859	18522							
" used fresh....."			2319	16465	788	3,940	3007	20405	
" salted.....brls.			180	2700	51	255	281	2955	23360
Abwives.....cwts.	37765	33669							
" used fresh....."			6386	6386	3810	7,620	10196	14006	
" salted.....brls.			10460	46380			10460	46380	60386
Sardines....."	141384	282768							
" canned.....cases			85700	428500			85700	428500	
" sold, fresh or salted.....brls.			124084	248168			124084	248168	676668
Habibut.....cwts	723	6120	723	7230			723		7230
Flounders....."	4261	6392	4261	8032			4261		8032

RECAPITULATION.

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state, for the **whole of New Brunswick**, during the year 1913-1914.—*Concluded.*

Kinds of Fish.	Sea Fisheries.				Inland Fisheries.		Total, both Fisheries.		Total Marketed Value.
	Caught and landed in a Green State.		Marketed.		Marketed.		Marketed.		
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
	¢	¢	¢	¢	¢	¢	¢	¢	
Smelts .. .. .cwts.	60117	360934	60117	601170			60117		601170
Trout..... "	2115	16920	2115	21150	728	7,280	2843		28430
Sturgeon..... "	105	525	105	525	70	700	175		1225
Bass..... "	1691	16910	1691	20292	159	1,590	1850		21882
Eels..... "	1940	11800	1940	15520	182	910	2122		16430
Tom Cod. "	18084	27126	18084	36168			18084		36168
White Fish..... "					26	390	26		390
Pickarel..... "					528	5,280	528		5280
Perch..... "					4	16	4		16
Mixed Fish..... "	180	180	180	180	362	362	542		542
Squid..... brls.	30	120	30	120			30		120
Oyster..... "	10800	54000	10800	64800			10800		64800
Clams and Scallops. "	56603	86472							
" used fresh... "			38070	81753			38070	81753	
" canned.....cases			18530	90484			18530	90484	
Dulse, Cockles, etc.....cwts.	5288	7577	2788	11122			2788		172237
Tongues and Sounds. "			1054	19970			1054		11122
Caviare..... "					1½	150	1½		19970
Fish Oil.....gals.			50242	15073			50242		150
		2945577		4266759		41948			4308707

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RECAPITULATION.

Of the Number of Fishermen, &c., and of the Number and Value of Fishing Vessels Boats, Nets, &c., in the **whole** Province of **New Brunswick**, for the year 1913-14.

	Sea Fisheries.		Inland Fisheries.		Total both Fisheries.	
	Number.	Value.	Number.	Value.	Number.	Value.
		\$		\$		\$
Sailing and gasoline vessels.....	371	260,500			371	260,500
Boats (sail and row).....	7,126	286,110	839	8,900	7,965	295,010
" (gasoline).....	1,141	322,025	45	11,310	1,186	333,335
Carrying smacks.....	65	49,330			65	49,330
Gill nets, seines, trap and smelt nets,&c.	59,127	608,108	1,740	17,660	60,867	625,768
Weirs.....	469	340,885			469	340,885
Trawls.....	834	13,396			834	13,396
Hand lines.....	9,183	5,689			9,183	5,689
Eel traps.....			98	178	98	178
Rods and lines.....			2,455	5,085	2,455	5,085
Lobster traps.....	252,681	252,681			252,681	252,681
Crabs.....	179	150,550			179	150,550
Sardine.....	6	362,100			6	362,100
Clam.....	13	26,700			13	26,700
Freezers and ice houses.....	215	233,130	18	1,050	233	234,180
Smoke and fish-houses.....	1,222	328,460	100	1,030	1,322	329,490
Fishing piers and wharves.....	370	232,120			370	232,120
Pile drivers and scows.....	501	19,550			501	19,550
Lodges used by fishermen.....			55	64,000	55	64,000
Totals.....		3,491,334		109,213		3,600,547

	Sea Fisheries.	Inland Fisheries.	Total.
No. of men employed on vessels.....	1,351		1,351
" " boats.....	12,883	1,169	14,052
" " carrying smacks.....	137		137
" persons " in fish houses, etc.....	6,336		6,336
Totals.....	20,707	1,169	21,876

APPENDIX No. 3.**PRINCE EDWARD ISLAND.****REPORT ON THE FISHERIES OF THE PROVINCE**

To the Superintendent of Fisheries,
Ottawa.

SIR,—I have the honour to submit my annual report on the fisheries of the province of Prince Edward Island for the year 1913-14 : also returns of catch, quantity and value of fish taken.

LOBSTERS.

The lobster pack was less than that of last season, being 17,639 cases short, and valued at \$743,180.

COD.

The catch of cod this year was slightly greater than during 1912-13. There were 59,022 cwts. taken during 1913-14, against 49,876 cwts. the previous season.

HAKE.

Hake was plentiful on the south side, and but for the scarcity of bait a much larger catch would have been taken. The supply of bait controls the catch to a great extent.

HERRING.

The catch of this fish was about the same as in 1912, and a sufficient quantity was taken for lobster bait, for which they are principally used.

MACKEREL.

The catch of mackerel was 125 per cent in excess of 1912. This fish was very plentiful, being taken both by net and hook, and were very large in size, and not for many years have they been so plentiful along the coast, fishermen reaping a good return for their labour.

SMELOTS.

The catch of smelts shows a considerable decrease from previous years. The prevailing mild weather in the early part of the season, and consequent losses made by shippers, are given as the reason for the decrease. The fishermen finding that their catches would only be bought by the shippers during cold weather did not attempt to catch the same quantity as in former seasons.

OYSTERS.

The oyster fishing shows an increase of 50 per cent over 1912. The interest manifested in the protection given oyster fishing is bearing good results, and with the con

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tinuance of the long close season for a few years the yield will be greatly increased. Good prices were realized.

The Provincial Government has taken over the barren bottoms, and about five thousand acres have been leased for oyster culture. About seven hundred barrels have been taken from the leased areas, and no doubt in a few years the quantity will be largely increased.

CLAMS AND QUAHAUGS.

A large increase in the quantity of quahaugs taken is noted; the amount this season being 18,966 barrels, against 4,985 barrels in 1912-13.

The patrol boat service last season was satisfactory, and with the same results for the coming year I hope to see illegal lobster fishing stopped entirely.

I am, sir, your obedient servant,

J. A. MATHESON,
Inspector of Fisheries.

RETURN showing the Number of Fishermen, &c., the Number and Value of Vessels and in the County of **Kings**, Province of **Prince Edward**

Number.	Fishing Districts.	Vessels Boats and Carrying Smacks.										Fish			
		Sailing and Gasoline Vessels.				Boats.					Carrying Smacks.			Gill Nets, Seines, Trap and Smelt Nets, etc.	
		(20 to 40 tons) Number.	(10 to 20 tons) Number.	Value.	Men.	Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Men.	Number.	Value.
				\$			\$		\$			\$			\$
1	Souris and Red Point.			3 1800	12	22	400	45	6750	144	..	..	..	163	2780
2	Fortune.					18	340	15	2250	66	..	..	..	45	470
3	Ammandale					55	1000	20	3000	125	..	..	..	141	1150
4	Georgetown					65	1170	20	3000	125	..	..	..	250	2000
5	Murray Harbour North..	1		1200	9	84	1500	46	6900	180	1	200	2	325	2600
6	Murray Harbour South..	8		4000	28	20	360	40	6000	85	1	200	1	260	2080
7	Morell and St. Peters....					25	450	35	5250	120	..	..	..	325	2950
8	Naufrage					28	500	18	2700	84	..	..	..	120	960
9	North Lake					28	500	16	2400	70	..	..	..	105	840
10	East Lake.					20	360	24	3600	70	80	640
	Totals	9		3 7000	49	365	6580	279	41850	1069	2	400	3	1814	16470

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Boats, and the Quantity and Value of all Fishing Gear, &c., used in the Fishing Industry Island, during the year 1913-14.

Gear.						Canneries.				Other Material.						Persons employed in Canneries, Freezers and Fish-Houses.	Number.
Trawls.		Hand lines.		Lobster traps.		Lobster canneries.		Clam canneries.		Freezers and Ice-Houses.		Smoke and Fish-Houses.		Fishing Piers and Wharves.			
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		
	\$		\$		\$		\$		\$		\$		\$		\$		
140	1120	70	70	9800	7350	4	2700	.....	.....	1	1000	4	200	1	500	110	1
15	120	60	60	8000	6000	3	2900	.....	.....	.....	.....	4	100	1	50	50	2
15	120	140	140	11000	8250	5	9800	1	50	.....	.....	4	100	2	500	90	3
25	200	140	140	19700	14400	6	7800	1	50	.....	.....	8	400	1	500	120	4
20	160	120	120	25700	19280	9	18300	2	100	.....	.....	10	500	.....	.....	110	5
200	1600	200	200	8100	6075	3	7000	1	50	.....	.....	12	600	1	500	80	6
140	1120	140	140	28100	21095	11	14800	.....	.....	.....	.....	12	300	1	200	160	7
10	80	70	70	15100	11320	6	6500	.....	.....	.....	.....	8	200	.....	.....	110	8
15	120	70	70	9100	6820	8	6500	.....	.....	.....	.....	10	250	.....	.....	100	9
70	560	100	100	11000	8200	5	9900	.....	.....	.....	.....	12	300	.....	.....	100	10
650	5200	1110	1110	145900	108790	69	86200	5	250	1	1000	84	2950	7	2250	1030	

RETURN showing the Number of Fishermen, &c., the Number and Value of Vessels Industry in the County of Queens, Province of

Number.	Fishing Districts.	Fishing Vessels, Boats, Tugs, &c.										
		Sailing and Gasoline Vessels.			Boats.					Carrying Smacks.		
		(10 to 20 tons) Number.	Value.	Men.	Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Men.
Queens County.			\$			\$		\$		\$		
1	Tracadie.....				94	3384	68	10200	300			
2	New London.....	5	2500	16	12	600	40	10000	104			
3	Point Prim.....				20	1000	47	8695	114			
4	Rustico.....	1	500	6	33	2475	60	15000	186	1	200	2
5	Wheatley River.....				16	400	6	1025	33			
6	Pownal.....				11	300	4	1600	23			
7	Charlottetown.....				20	800	6	1200	60			
8	Crapaud.....				9	290	11	2475	30			
9	Lot 65.....				35	1050	55	13750	180			
10	Bays and Rivers.....				80	575	6	1500	92			
Totals.....		6	3000	22	330	10874	303	65445	1122	1	200	2

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and Boats, and the Quantity and Value of all Fishing Gear, &c., used in the Fishing Prince Edward Island, during the year 1913-14.

Fishing Gear.								Canneries.		Other material.				Persons employed in Canneries, freezers and fish-houses.	Number.
Gill Nets, Seines, Trap and Smelt Nets, etc.		Trawls.		Hand lines.		Lobster Traps.		Lobster Canneries.		Smoke and fish-houses.		Fishing Piers and Wharves.			
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		
	\$		\$		\$		\$		\$		\$		\$		
633	3665	10	200	80	48	23300	19150	8	8200	90	2600	9	9050	152	1
890	6750	11	220	150	90	9500	9500	7	3825	10	875	9	1000	69	2
70	346	10	200	65	39	19935	13345	26	7600	8	240			87	3
368	2343	20	400	200	120	16800	16800	4	8500	35	3500	2	1500	100	4
76	250											1	400		5
43	187					3000	1000	1	500					10	6
				100	50										7
58	440					4892	3525	6	2000	6	300			41	8
53	587					16600	14900	7	7700	17	272	2	1000	68	9
										20	200				10
2191	14568	51	1020	595	347	94027	78220	59	38325	186	7987	23	12950	527	

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Boats, and the Quantity and Value of all Fishing Gear, &c., used in the Fishing Industry Island, during the year 1913-14.

Fishing Gear.								Canne- ries.	Other Material.						Persons Employed in Can- neries, Freezers and Fish Houses.	Number.	
Weirs.		Trawls.		Hand Lines.		Lobster Traps.		Lobster.	Freezers and Ice- Houses.	Smoke and Fish- Houses.	Fishing Piers and Wharves.						
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.				
	\$		\$		\$		\$		\$		\$		\$				
.....		10	100	50	25	28000	28000	9	14400	.....		9	1800	1	40000	220	1
.....		8	80	20	10	5790	5790	3	6500	.....		3	600	.....		58	2
.....		40	400	100	50	12200	12200	4	4000	1	400	4	800	.....		84	3
.....		20	200	60	30	12000	12000	7	6550	1	400	7	1400	1	20000	72	4
.....		38	380	40	20	6300	6300	8	3450	.....		8	1600	1	20000	51	5
.....		2	20	12	6	4500	4500	2	2000	.....		2	400	.....		30	6
.....			2470	2470	4	2000	.....		4	800	1	6000	18	7
.....			16	8	5350	5350	7	3500	.....		7	1400	1	15000	23	8
.....			1700	1700	2	1000	.....		.....		.....		15	9
.....			20	8	9100	6600	3	1850	.....		.....		1	800	39	10
.....			1400	1100	1	760	.....		.....		.....		10	11
.....			5000	4000	1	600	.....		.....		.....		30	12
.....			12	9	1500	1180	.....		.....		8	175	1	1600	8	13
.....			12000	10000	2	1600	.....		.....		.....		51	14
.....			1500	1500	2	1500	.....		.....		.....		12	15
.....		40	120	150	150	6200	4000	3	2450	.....		.....		.....		39	16
.....			21310	17000	9	6500	.....		.....		.....		104	17
.....			900	585	1	500	.....		1	1000	.....		6	18
.....			5100	4000	3	1600	.....		.....		.....		18	19
.....			9800	7725	6	5560	.....		.....		.....		42	20
.....			2500	1970	1	200	.....		2	2200	.....		8	21
.....			5	22
.....		158	1300	450	310	177120	157970	78	66520	2	800	53	9975	9	105600	943	

5 GEORGE V., A. 1915

THE

RETURN showing the Quantities and Values of all Fish caught and landed in a Green Year

Number.	Fishing Districts.	Salmon, *cwt.	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake and Cusk, cwts.	Hake and Cusk, value.	Herring, cwts.
	<i>King's County.</i>		\$		\$		\$		\$		\$	
1	Souris and Red Point.			1819	10914	1340	1675	400	280	10140	7098	5200
2	Bay Fortune.			1608	9648	200	312	10	7	300	210	1200
3	Annandale.			3467	20802	200	268	15	10	450	315	2000
4	Georgetown.			4003	24018	200	300	60	42	350	245	3400
5	Murray Harbour North.			5647	33882	200	300	40	28	200	140	5000
6	Murray Harbour South.			2568	15408	850	1212	215	150	8660	6062	6015
7	Morell and St. Peters.	90	900	7083	42498	1855	2444	20	14	160	112	1870
8	Naufrage.			3787	22722	100	160	10	7	120	84	1001
9	North Lake.			3029	18174	100	150	15	10	110	77	900
10	East Lake.			3185	19110	740	1142	30	21	496	284	300
	Totals.	90	900	36196	217176	5785	7963	815	569	20896	14627	26886

*Cwt=100 lbs.

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CATCH.

State in the County of Kings, Province of Prince Edward Island, during the 1913-14.

Herring, value.	Mackerel, cwts.	Mackerel, value.	Alewives, cwts.	Alewives, value.	Smelts, cwts.	Smelts, value.	Trout, cwts.	Trout, value.	Eels, cwts.	Eels, value.	Tom-cod, cwts.	Tom-cod, value.	Mixed fish, cwts.	Mixed fish, value.	Clams, brls.	Clams, value.	Quahaugs, brls.	Quahaugs, value.	Number.
\$		\$				\$		\$		\$		\$		\$		\$			
2600	2300	11500	.....	.....	80	400	5	40	10	50	10	10	20	10	340	680			1
600	50	250	.....	.....	130	650	10	80	5	25	.....	.....	10	5	20	40			2
1000	75	375	.....	.....	15	75	8	64	5	25	.....	.....	10	5	30	60			3
1700	40	200	.....	.....	30	150	5	40	50	250	.....	.....	15	7	80	160			4
2500	20	100	.....	.....	60	300	5	40	45	225	5	5	30	15	370	740	100	270	5
3007	15	75	.....	.....	140	700	12	96	30	150	10	10	70	35	135	270			6
935	1440	7200	20	20	290	1450	15	120	35	175	.....	.....	15	7	50	100			7
500	50	250	.....	.....	10	50	5	40	.....	.....	.....	.....	.....	.....	.....	.....			8
450	450	2250	.....	.....	43	215	15	120	.....	.....	.....	.....	.....	.....	.....	.....			9
150	1214	6070	.....	.....	.....	.....	15	120	35	175	.....	.....	.....	.....	.....	.....			10
13442	5654	28270	20	20	798	3990	95	760	215	1075	25	25	170	84	1025	2050	100	270	

THE CATCH MARKETING.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for the County of Kings, Province of Prince Edward Island, during the year 1913-14.

Number.	Fishing Districts.	Salmon, used fresh, and froz. * cwt.	Lobsters, canned, cases.	Cod, used fresh, cwt.	Cod, shipped green, salted, cwt.	Cod, dried, t quintals.	Haddock, used fresh, cwt.	Haddock, dried, quintals.	Hake and Cusk, dried, quintals.	Herring, used fresh, cwt.	Herring, pickled, brs.	Herring used as bait, brs.	Mackerel, used fresh, cwt.	Number.
1	Souris .....	.....	728	115	160	300	50	113	3380	1300	80	1830	1000	1
2	Bay Fortune.....	.....	643	15	10	50	10	.....	100	30	.....	585	5	2
3	Annandale.....	.....	1387	15	10	50	10	.....	150	20	.....	990	10	3
4	Georgetown.....	.....	1601	40	20	40	15	15	116	1400	.....	1000	10	4
5	Murray Harbour, North, ..	.....	2259	25	20	40	30	13	66	20	.....	2490	20	5
6	Murray Harbour, South.....	.....	1027	50	60	220	40	56	2886	940	.....	2385	.....	6
7	Morell and St. Peters.....	90	2833	70	80	541	10	3	54	40	.....	915	1000	7
8	Naufraige .....	.....	1515	10	10	20	.....	.....	40	30	.....	485	5	8
9	North Lake .....	.....	1213	16	10	20	10	.....	37	30	.....	435	15	9
10	East Lake .....	.....	1274	59	80	172	26	8	136	.....	.....	150	10	10
Totals...		90	14486	409	460	1453	201	208	6965	3810	180	11265	2075	
Rates,		\$ 12.00	20.00	2.00	3.00	5.00	2.00	4.00	4.00	1.50	5.00	1.50	10.00	
Values.. ..		1680	289600	818	1380	7265	402	832	27860	5715	900	16897	20750	

† Quintal = 112 lbs. * Cwts. = 100 lbs.

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State, in the County of Queens, Province of Prince Edward Island, during the year 1913-14.

Number.	Fishing Districts.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake and Cusk, cwts.	Hake and Cusk, value.	Herring, cwts.	Herring, value.	Mackerel, cwts.	Mackerel, value.	Alewives, cwts.	Alewives, value.	Number.
<i>Queens County.</i>																
1	Tracadie.....	5625	33750	12246	24492	.....	.....	89	133	4651	2328	767	4602	130	65	1
2	New London.....	2990	17840	10642	21284	.....	.....	50	75	2606	1303	600	3600	.....	.....	2
3	Point Prim.....	2872	17232	226	452	80	120	519	778	605	302	.....	.....	.....	.....	3
4	Rustico.....	5362	32172	25298	50596	.....	.....	187	280	5306	2653	1289	7734	.....	.....	4
5	Wheatley River.....	.....	.....	1000	2000	.....	.....	.....	.....	477	238	208	1218	.....	.....	5
6	Pownal.....	350	2100	.....	.....	.....	.....	.....	.....	30	15	.....	.....	.....	.....	6
7	Charlottetown.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
8	Crapaud.....	1055	6330	.....	.....	.....	.....	.....	.....	1026	513	.....	.....	.....	.....	8
9	Lot 65.....	2542	15252	.....	.....	.....	.....	.....	.....	1026	513	.....	.....	.....	.....	9
10	Bays and Rivers.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	402	201	10
Totals.....		20796	124676	49412	98824	80	120	845	1266	15727	7865	2859	17154	532	266	

* Cwt. = 100 lbs.

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THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State, in the County of Queens, Province of Prince Edward Island, during the year 1913-14.—*Concluded.*

Number.	Fishing Districts.		Trout, cwts.		Trout, value.		Eels, cwts.		Eels, value.		Oysters, brls.		Oysters, value.		Clams, brls.		Clams, value.		Quahaugs, brls.		Quahaugs, value.		Number.
	Smelts, cwts.	Smelts, value.																					
<i>Queens County.</i>																							
1	2610	11745	4	22	27	108	1200	5400	20	40	50	200	1										1
2	619	2785	6	33							261	1044	2										2
3	340	1530	17	93			499	2245					3										3
4	375	1687									86		4			172							4
5	270	1215											5										5
6	9	40					12	54					6										6
7	541	2434					410	1845					7										7
8	329	1480					373	1678					8						300		1200		8
9	400	1800					80	361					9										9
10	376	1692											10										10
Totals.		5869	27	148	27	108	2574	11583	106	212	611	2444											

* Cwts. 100 lbs.

THE CATCH MARKETED.

RETURN showing the Quantities and Value of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for the County of Queens, Province of Prince Edward Island, during the year 1913-14.

Number.	Fishing Districts.	LoBSTERS, canned, cases.	COD, used fresh, cwt.	COD, shipped green salted, cwt.	COD, dried, tquintals.	Haddock, dried, quintals.	Hake and Cusk, used fresh, cwt.	Hake and Cusk, dried, quintals.	Herring, used fresh, cwt.	Herring, pickled, brs.	Herring, used as bait, brs.	Mackerel, used fresh, cwt.	Mackerel, salted, brs.	Alewives, salted, brs.	Smelts, used fresh, cwt.	Trout, used fresh, cwt.	Fels, used fresh, cwt.	Oysters, used fresh, brs.	Clams and Quahangs, used fresh, brs.	Fish oil, gals.	Number.
1	Tracadie.	2250	536	815	3360	...	...	29	67	40	2232	200	189	43	2610	4	27	1200	70	640	1
2	New London.	1196	408	749	2912	...	...	17	59	20	1248	115	162	...	619	6	...	...	261	1005	2
3	Point Prin.	1149	226	...	...	24	15	168	20	5	285	...	...	...	340	17	...	499	...	238	3
4	Rustico	2145	1780	1007	7168	...	...	62	140	119	2404	332	319	...	375	...	...	...	86	6000	4
5	Wheatley River	...	220	390	...	...	...	...	20	10	213	100	34	...	270	...	...	...	...	325	5
6	Pownal	140	...	...	...	...	...	...	4	...	13	...	...	...	9	...	...	12	...	...	6
7	Charlottetown	...	...	...	...	...	...	...	...	...	...	...	...	...	541	...	...	410	...	...	7
8	Crapaud	422	...	...	...	...	...	...	20	5	495	...	...	...	329	...	...	...	...	...	8
9	Lot 65	1017	...	...	...	...	...	...	10	...	508	...	...	134	400	...	...	373	300	...	9
10	Pays and Rivers	...	...	...	...	...	...	...	...	...	...	...	...	...	376	...	...	80	...	...	10
	Totals.	8319	3170	2961	13440	24	15	276	331	199	7398	747	704	177	5869	27	27	2574	717	8208	
	Rates	20.00	2.00	4.00	6.00	5.00	1.50	4.00	1.00	4.00	2.00	10.00	18.00	2.00	5.00	6.00	4.00	5.00	4.00	30	
	Values.	166380	6340	11844	80640	120	22	1104	331	796	14796	7470	12672	354	29345	162	108	12870	2868	2462	
	Total value																				\$350,684

(Cwt. = 100 lbs. † Quintal = 112 lbs.)

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THE CATCH.

RETURN showing the Quantities and Value of all Fish caught and landed in a Green State, in the County of Prince, Province of Prince Edward Island, during the year 1913-14.

Number	Fishing Districts.	Lobsters, cwt.	Lobsters, value.	Cod, cwt.	Cod, value.	Hake and Cusk, cwt.	Hake and Cusk, value.	Herring, cwt.	Herring, value.	Mackerel, cwt.	Mackerel, value.	Alwives, cwt.	Alwives, value.	Shells, cwt.	Shells, value.	Tom-cod, cwt.	Tom-cod, value.	Oysters, cwt.	Oysters, value.	(Quahags, lbs.	Quahags, value.	Number.
			\$		\$		\$		\$		\$		\$		\$		\$		\$		\$	
1	Tignish	6268	31340	400	800	1000	750	1150	575	620	3100			330	150							1
2	Nail Pond	1462	7310	260	520	300	225	500	250	100	500											2
3	Skinner's Pond	2281	11405	380	760	600	300	700	350	100	500											3
4	Manningash	1965	9825	600	300	800	400	1000	500	1000	5000			40	200							4
5	Albionton	1920	6450	500	250	700	350	800	400	600	3000			230	1150			10	280			5
6	Roxbury	768	3810	120	60	50	25	800	400	35	175			80	400			800	5600			6
7	Brace	524	2620					300	150					35	175							7
8	West Point	708	3540	76	38			300	150													8
9	Narrows, Lot 11	485	3152	510	1530			2460	2160					95	475			1874	13118			9
10	Calversie, Lot 12	1800	11700	420	1260			2220	2220					190	950			1000	7000			10
11	Bidford	350	2275					970	970			10	40					1250	8750			11
12	Wellington	850	5525					1480	1480					68	340			3621	25347			12
13	Grand River							2400	2400					52	260			425	2975			13
14	Richmond Bay	2025	13162					1000	1000					120	600			520	3640			14
15	Traveller's Rest	625	4062					770	770					170	850			300	2100			15
16	Malpeque	2205	14332	530	1677			3140	3440	528	1818			420	2100							16
17	Fifteen Point	6288	40872					16072	16072					196	980							17
18	Summerside	312	2028					320	320					450	2250							18
19	Carlton	1455	9457					1380	1380					505	2525							19
20	Troxon	3395	22067					3210	3210					149	745			22	154			20
21	Fanning	850	5525					1260	1260					185	925	20	40	125	875			21
22	Indian River							150	150					95	475			400	2800			22
	Totals	35906	214487	3825	7195	3450	2050	42682	39907	2983	14123	40	40	3110	15550	20	40	10377	72639	17129	68516	

THE CATCH MARKETING.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., State, for the County of Prince, Province of Prince Edward Island, during the year 1913-14.

Number.	Fishing Districts.	Lobsters, canned, cases.	Cod, fresh, cwts.	Cod, shipped green-salted, cwts.	Cod, dried, tquintals.	Hake and Cusk, dried, quintals.	Herring, fresh, cwts.	Herring, pickled, brls.	Herring, used as bait, brls.	Mackerel, fresh, cwts.	Mackerel, salted, brls.	Alewives, used fresh, cwts.	Smelts, used fresh, cwts.	Tom-cod, used fresh, cwts.	Oysters, used fresh, brls.	Clams and Quahogs, used fresh, brls.	Fish Oil, gals.	Number.
1	Tignish	2507	30	185	...	333	10	...	500	10	203	...	30	...	...	...	...	1
2	Nail Pond	584	15	122	...	90	...	...	250	15	28	...	...	...	...	...	...	2
3	Skinner's Pond	912	45	167	...	200	...	...	350	15	28	...	...	...	...	...	...	3
4	Mimigash	786	40	280	...	266	...	...	500	50	316	...	40	...	...	...	...	4
5	Alberton	516	75	213	...	233	...	...	400	40	186	...	230	...	...	40	...	5
6	Roxbury	307	20	50	...	16	...	...	400	15	6	...	80	...	...	800	...	6
7	Brae	209	...	...	...	...	...	...	150	...	...	...	35	...	...	...	...	7
8	West Point	233	15	30	...	...	...	...	150	...	...	...	...	...	...	...	...	8
9	Narrows, Lot 11	194	10	250	...	...	...	30	1200	11	8	...	95	...	...	...	...	9
10	Ellerslie, Lot 12	720	10	205	...	...	...	...	1110	...	...	...	190	...	...	1874	200	10
11	Bideford	140	...	...	...	...	...	...	485	...	...	...	...	...	...	1000	3200	11
12	Wellington	340	...	...	...	...	...	...	740	...	...	40	...	...	...	1250	200	12
13	Grand River	...	...	...	...	...	...	10	1190	...	...	...	52	...	...	3621	950	13
14	Richmond Bay	810	...	...	...	...	...	...	500	...	...	...	120	...	...	425	3000	14
15	Fravellers Rest	250	...	...	...	...	...	...	385	...	...	...	170	...	...	520	1200	15
16	Maizeque	882	130	...	143	...	...	...	1720	...	176	...	420	...	...	300	7025	16
17	Fifteen Point	2515	...	...	...	...	...	100	7936	...	...	...	196	...	...	...	...	17
18	Summerside	125	...	...	...	...	...	...	160	...	...	...	450	...	...	...	...	18
19	Carleton	582	...	...	...	...	...	...	690	...	...	...	505	...	...	...	...	19
20	Tryon	1358	...	...	...	...	...	...	1605	...	...	...	149	...	...	22	...	20
21	Emmore	340	...	...	...	...	...	...	630	...	...	...	185	...	...	125	1520	21
22	Indian River	...	...	...	...	...	...	...	75	...	...	...	95	...	...	400	34	22
	Totals	14360	390	1502	143	1138	10	140	21126	156	951	40	3110	20	10377	17129	600	
	Rates	\$ 20.00	2.00	4.00	6.00	4.00	1.00	4.00	2.00	10.00	18.00	2.00	5.00	2.00	7.00	4.00	.40	
	Values	\$ 287200	780	6008	858	4552	10	560	42252	1560	17118	80	15550	40	72639	68516	240	

Total value..... \$517,963

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RECAPITULATION.

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for the Province of Prince Edward Island, during the year 1913-14.

Kinds of Fish.	Caught and landed in a Green State.		Marketed.		Total marketed value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	\$
Salmon cwts.	90	900			
" used fresh..... "			90		1,030
Lobsters..... "	92,898	556,339			
" canned..... cases.			37,159		743,180
Cod..... "	59,022	113,982			
" used fresh..... "			3,969	7,938	
" green—salted..... "			4,923	19,232	
" dried..... "			15,036	88,763	115,933
Haddock..... "	895	689			
" used fresh..... "			201	402	
" dried..... "			232	952	1,354
Hake..... "	25,191	17,943			
" used fresh..... "			15	22	
" dried..... "			8,379	33,516	33,538
Herring..... "	85,295	61,214			
" used fresh..... "			4,151	6,056	
" pickled..... brls.			519	2,256	
" used as bait..... "			39,789	73,945	82,257
Mackerel..... cwts.	11,496	59,547			
" used fresh..... "			2,978	29,780	
" salted..... brls.			2,848	51,264	81,044
Alewives..... cwts.	592	326			
" used fresh..... "			60	120	
" salted..... brls.			177	354	474
Smelts..... cwts.	9,777	45,948	9,777		51,279
Trout..... "	122	908	122		1,112
Eels..... "	242	1,183	242		2,258
Tom-cod..... "	45	65	45		90
Mixed Fish..... "	170	84	170		170
Oysters..... brls.	12,951	84,222	12,951		85,509
Clams..... "	18,936	73,492			
" used fresh..... "			18,671	74,684	
" canned..... cases.			290	1,740	76,424
Tongues and Sounds..... cwts.			50		1,500
Fish Oil..... gals.			10,618		3,245
Totals.....		1,016,842			1,280,447

RECAPITULATION.

Of the Number of Fishermen, &c., and of the Number and Value of Fishing Vessels, Boats, Nets, &c., in the Province of Prince Edward Island, for the year 1913-14.

	Number.	Value.
		\$
Sailing and Gasoline Vessels.....	24	12,280
Boats (sail).....	1,110	35,789
Boats (gasoline)	970	185,195
Carrying Smacks.....	6	1,400
Gill Nets, Seines, Trap and Smelt Nets, etc....	6,198	44,923
Trawls.....	859	7,520
Hand Lines.....	2,185	1,773
Lobsters Traps.....	416,747	324,980
Lobster-canneries.....	197	191,045
Clam Canneries....	5	250
Freezers and Ice-houses..	3	1,800
Smoke and Fish-houses.....	325	20,912
Fishing Piers and Wharves....	39	120,800
Totals.....		948,667

Number of men employed on Vessels.....	96
" " Boats.....	3,656
" " Carrying Smacks.....	12
" persons employed in Fish-houses, Freezers, Canneries, &c....	2,500
	6,264

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APPENDIX No. 4.**QUEBEC**

GULF DIVISION, SEA FISHERIES DISTRICT: COMPRISING THE COUNTIES OF BONAVENTURE, GASPE, SAGUENAY AND RIMOUSKI. INSPECTOR, WM. WAKEHAM, M.D., GASPE BASIN.

GULF DIVISION, INLAND FISHERIES DISTRICT: COMPRISING THE COUNTIES OF TEMISCOUATA, KAMOURASKA, L'ISLET, MONTMAGNY, CHICOUTIMI, CHARLEVOIX, MONTMORENCY AND QUEBEC. INSPECTOR, WM. WAKEHAM, M.D., GASPE BASIN.

THE EASTERN TOWNSHIPS. INSPECTOR, C. A. BERNARD, ST. CESAIRE.

THE ST. LAWRENCE RIVER FROM HUNTINGDON COUNTY TO BELLE-CHASSE, AND THE COUNTIES FROM PORTNEUF TO SOULANGES. INSPECTOR, JOSEPH RIENDEAU, LONGUEUIL.

N.B.—In the inland portions of Quebec, including the inland section of the Gulf Division, the fisheries are administered by the Provincial Government. The department merely exercises a general supervision.

To the Superintendent of Fisheries,
Ottawa.

SIR,—I beg to submit the statistical returns, giving the quantities and value of the various Fisheries of the Gulf Division for the season of 1913-14. These returns show a decrease in the total value, as compared with the previous season, of \$135,810. The summer of 1913, like that of 1912, was cold and dull and fishing was late in beginning. On certain sections of the coast fishing was poor all through the season, fewer people being engaged and the season practically ended in September.

The demand for labour at the enormous pulp works now being erected at Chandler, in the County of Gaspé, together with the greatly increased efforts of the various Rossing and other mills all along the coast to extend the output of pulpwood, drew all hands away from the fishery.

SALMON.

The returns show a decided increase in the catch of salmon all over the Division, the prices paid were in excess of any previously reached. As a consequence we have everywhere a demand for new licenses to fish. The best salmon net fishing berths have long ago been taken up, and, it is extremely doubtful if most of the new stations now being applied for, will pay those who intend fishing them.

LOBSTERS.

The lobster pack again shows a decrease, only a little over 16,000 cases having been packed, as compared with 20,000 in 1912. This falling off is generally attributed to a poor fishing season, the weather in May and June being rough; we had no heavy gales, and the loss of traps, due to rough weather, was below the average, but all the same the number of days during which traps could be raised, fished and rebaited was fewer than usual. The price of the canned product continues to rise, and the tendency to put the meat up in smaller tins is everywhere apparent. Complaints are

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being made by purchasers that too large a quantity of water is being put in the tin; the pound tin in some cases has been shown to contain only twelve ounces of lobster meat. If this practice extends, some remedy will have to be found by your department, with the view of protecting the consumer from so deliberate a fraud. We have raised the price of the 48-lb. case to \$19, but we could very justly have put it at \$20.

COD.

The cod fishery shows a considerable shrinkage, only 112,000 cwt. of dried cod having been prepared for export, as compared with 150,000 cwt. in 1912. This was due to the failure of the fishery all along the coast from Cape de Rosier West, and on the Labrador from Natashquan to the Strait of Belle Isle. On the Gaspé Coast, and at the Magdalen Islands the catch was good, but the number of hands engaged in the fishery was considerably less than usual, and as I have said before, we really have no fall fishery. The price fortunately ruled high, outside buyers, notably from Boston and Gloucester, were everywhere along the coast with schooners, competing for fish, taking it with very little cull, and in any condition. The dog fish were back in increased numbers, and were all over the gulf, even down to the Strait of Belle Isle. For the fourth season in succession, we had a failure in the inshore or summer fishing, mostly made with trap-nets, on what is known as the Canadian Labrador, or that part of the coast between Natashquan and Blanc Sablons. The fishermen insist that their failure is due to the cleaning out of the whales, by the new wholesale methods of hunting them. The capelin not being driven inshore by the whales, the cod consequently remains off shore. Trawlers and gill netters, who fish off shore, report plenty of fish in deep water.

HERRING.

The principal item of decrease for the season now being dealt with, is found in connection with the herring, the total return from all branches of this fishery being only \$195,559, as against \$279,614 in 1912, and practically all of this decrease was due to the falling off in the pack of pickled herring. Owing to the disease which showed itself among the summer herring, the demand for pickled herring stopped abruptly. Large quantities of these fish were found in a dull and helpless condition floating on the surface. Externally they showed congested and even ulcerated spots towards the tail end of the fish; on opening them a congested condition is found along the sides of the back bone, and here again the congestion seems to be confined to the after part of the fish. On exposure to the air these diseased fish decompose more rapidly than healthy fish should, a condition which usually follows death from congestion. The fishermen tell us that the herring taken well off shore are sound and good, that the diseased condition seems to be confined to the herring taken inshore. Last spring (1913) and at the time of writing (June, 1914) no disease was remarked among the schools of spring herring. Fishermen, who are ever ready with a reason for things, say that this disease is due to the gasoline escaping from the boats and floating on the surface. Whatever the cause may be, the matter is a very serious one, and it should occupy the attention of our biological branch.

MACKEREL.

The returns from the mackerel fishery show a decided gain, and there is now no doubt that the mackerel are coming back to their old haunts in the gulf. Our own people, outside of the Magdalen Islands, made no special fishery for mackerel, but a number of smacks from Nova Scotia carry on a fishery with drift nets in the Bay Chaleur, and between Gaspé and Anticosti.

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WHALES.

Eighty-seven whales were killed by the two steamers operating in connection with the whaling station at Seven Islands. The returns show that the resulting product of their operations in oil, guano and bone was about the same as that of 1912, when ninety whales were killed.

BAIT.

Bait was plenty in the spring and again towards the fall, but as usual it was scarce during the summer. The bait most sought for during the late summer fishery is the squid but the fishermen say it is driven away by the dog-fish. Capelin, which for many years, had not been found along the south coast, has returned during May and the end of June in abundance. It would look as though the killing off of the whales might have something to do with the increase and return of the capelin.

INLAND SECTION OF THE GULF DIVISION.

The returns from the fishing of this section are about the same as usual. More fish have been taken in the upper section of the counties of Montmagny and Montmorency, but in the eastern part of the river from Rimouski to River Ouelle, where a considerable quantity of herring is usually taken in the Pêches, a great portion of which is usually pickled and sold in the parishes, and in Quebec, nothing whatever was done; the idea that all the herring was diseased had got abroad, and the owner of the Pêches had been warned not to send any of this herring to the usual markets. The consequence was that little or no attempt was made to take them, and whatever was taken went to the land as fertilizer.

The usual number of tourists and sportsmen visited the region between Quebec and Lake St. John, where many fishing and hunting clubs are established.

I am, sir,

Your obedient servant,

WM. WAKEHAM.

(Translation.)

To the Superintendent of Fisheries.
Ottawa.

SIR,—I have the honour to submit my report for the fiscal year ending the 1st April, 1914, as well as the statistics relating thereto. The following is the result of my personal observations, and information gathered from the fishermen and local officers.

On the Richelieu River throughout the Counties of Chambly, Verchères and St. Johns, fishing was good this year, especially at the lower end of the river, where pickerel and bass are abundant. Eel fishing at Iberville, which is becoming more difficult since the Chambly dam was built, was better and more remunerative this year.

The fishery officers are very painstaking and appear to discharge their duties. There are, however, contraventions to the law, especially in the spring when certain strangers fish in Canadian waters at the mouth of the river, and the electric company

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use dynamite to break the ice and open the channel, for the use of its workshops at Chambly.

In the Counties of Iberville and Mississquoi, in Rivière aux Brochets and Mississquoi Bay, fishing was better this year. Pickerel, perch and pike, especially, were very abundant. The fishery officers are diligent and the law is carefully observed.

The numerous lakes situated in the Counties of Brome, Stanstead and Sherbrooke, are very well stocked and sought after by amateurs, and the public are interested in having the law observed, thereby facilitating the task of the local officers. Salmon and trout are gradually increasing, more especially in Lake Memphremagog, and are very fine.

In the Counties of St. Hyacinthe, Bagot, Rouville and Shefford, on the Yamaska River and its tributaries, fishing was better this year and the regulations adhered to. There does not seem to have been any contravention, as complained of in past years.

I am pleased to state as regards the Counties of Richmond and Wolfe that there has been an improvement there, especially in Lake Aylmer, where the fish are increasing and the regulations better observed than in the past.

There seems to be no improvement in the Counties of Megantic and Beauce. This is the part of my district where the least progress is seen and which is the least interesting. There are very few fish there and what there is, is of poor quality. The public do not bother about fishing and do not seem to take any steps to improve the conditions. The Provincial Fishery Officers do not look after their duties and the regulations are completely ignored.

In general, fishing was better this year and the law more strictly observed. In the southeastern part of the district, particularly where the fish are more abundant, an improvement has been noticed during the past two years. The public seem to appreciate more the efforts of the Government in preserving and protecting the fish, and derive a benefit in the greater number of fishermen who come to the fishing places, as well as from the increase in the price of fish. Hence, the Provincial Officers find it easier to fulfil their duties and to have the regulations carried out.

I am sorry I cannot say as much for the lower part of the district where fish is found only in small quantities and where the regulations are not observed.

With a view to affording better protection to the fisheries in that district, I beg to repeat the recommendations made in my former reports:—

To completely forbid the use of minnow nets and of all nets in the tributaries of the St. Lawrence; if the same are not to be completely done away with they should only be allowed from the 1st October to the 31st December, and the mesh of the nets should not be less than 3 inches.

The use of seines should be prohibited during the winter, or at least, the greatest restrictions made as regards their use, and night lines should be prohibited from the 15th October to the 15th June.

I am, sir,

Your obedient servant,

(Sgd.) C. BERNARD,
Inspector of Fisheries.

To the Superintendent of Fisheries,
Ottawa.

SIR,—I beg to submit to you my report for the fiscal year ending March 31, 1914, together with the statistical returns.

I had the opportunity, during last year, to visit the different sections of my district. In some parts of the district the yield has notably decreased in quantity as

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well as in quality, while elsewhere it has improved. This can be explained by the fact that all depends upon whether nets are used or not.

The great cause of trouble is the fishing with seines and nets of all descriptions. In some parts of my district fishermen have been notified, by myself and the overseers, of the harm done to the fish by using illegal implements during closed seasons when the fish is in an immature condition, or when it is not even able to ascend the small rivers or tributaries to spawn. It has had no good effect however upon them.

Lake St. Peter, Counties of Laprairie, Chambly, Verchères, Nicolet, Maskinonge, Berthier, L'Assomption, where the abuses are the worst, are fished freely on Sundays, as well as on any other day, with nets of small mesh. The result of this is shown in the decreased yield.

In other sections like Lake St. Louis, Lake St. Francis, County of Two Mountains, Richelieu, Jacques Cartier, Vaudreuil, Soulanges, owing to a great decrease in the number of seines and nefarious nets, there is a marked improvement in the fishing grounds. Though there are still nets for minnows, it must be acknowledged that the law is better observed than previously.

Where licenses prevail, the fishery officers are more active and the public more careful to comply with the regulations and protect the fish.

In some small rivers, such as Lachenaie and L'Assomption, where game fish go to spawn and in other streams in the southern part of my district, licenses are still being granted to fish with nets, which, in my opinion, should be forbidden, both in the tributaries of the St. Lawrence and in other small streams.

The law should not allow fishing with hoop nets or seines of less than three inches extension measure; while gill nets and trap nets should not be permitted in small rivers.

Nets of any kind, especially in small streams, constitute a general blockade and prevent the fish from ascending during the spawning season; the immature fish descending to the deeper waters are also entangled in the meshes.

Eels have been noticeably more abundant this last year, especially in Bellechasse County, than in previous years. Mixed fish are also more numerous.

I respectfully suggest that fishing through ice in the winter, if not prohibited, should at least be closely watched, as large quantities of immature and sometimes game fish are destroyed by such fishing.

During the year, I have visited a number of sawmills, fined the proprietors who permitted sawdust and refuse to be thrown into the streams, ordering them, at the same time, to take the necessary steps to completely stop the nuisance.

The only remedy I can see against the abuse of net fishing, and to replenish our rivers, would be to prohibit the use of nets from the County of Champlain on the north shore and the County of Nicolet on the south shore of the St. Lawrence River and its tributaries for a certain number of years, along both shores up to the Canadian Pacific Railway Bridge at Lachine.

Night lines should also be prohibited from the 15th of October to the 15th of June of each year.

Fish-ways that have been built recently work satisfactorily.

I am, sir,

Your obedient servant,

JOS. RIENDEAU,
Inspector of Fisheries, Longueuil.

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COUNTY OF SAGUENAY.

9	Subdiv. of Godbout	2	300	40000	20	11	4150	24	200	5900	3	1200	210	1	4000	2	360	12200	9
10	" Moisie								35	2500	3	750	60					7500	10
11	" Mingan								184	16800			450					3420	11
12	" Natashquan								70	5000	3	2000	160					1525	12
13	" Romaine								31	1870	2	1200	53					910	13
14	" St. Augustin								176	7790	4	950	255					12000	14
15	" Bonne Esperance					3	4500	18	286	13550	16	6550	156	1	1000	2		17495	15
16	" Island of Anticosti	1	60	8000	6				45	2600	1	1200	60					2500	16
	Totals	3	360	48000	26	3	8650	42	1027	55110	32	13850	1704	1	4000	2	1011	90550	

COUNTY OF RIMOUSKI.

17	Subdiv. of Rimouski County								129	1872	4	3100	85					131	2425	17
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RETURN showing the Number of Fishermen, &c., the Number and Value of Vessels and Boats, and the Quantity and Value of all Fishing Gear, &c., used in the Fishing Industry in the **Gulf Division**, Province of **Quebec**, during the year 1913-14.

COUNTY OF BONAVENTURE.

Fishing Districts.	Fishing Gear.						Canneries.				Other Material.				Persons employed in Can- neries, Freezers and Fish- houses.	Number.				
	Weirs.		Trawls.		Hand lines.		Lobster Traps.		Lobster Canneries.		Whale Factory.		Freezers and Ice-houses.				Smoke and Fish-houses.		Fishing piers and wharves.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.			Number.	Value.		
Subdiv. of Restigouche	20	23	23	110	360	180	1500	1500	3	900			20	500		2	18000	100	1	
" Bonaventure.			135	700	780	350	7500	7500	7	2500			8	250	70	7500		130	2	
" Port Daniel.													10	650	40	3500			3	
Totals.	20	230	158	810	1140	570	9000	9000	10	3400			38	1400	110	11000	2	230		

COUNTY OF GASPE.

Number.	Weirs.		Trawls.		Hand lines.		Lobster Traps.		Lobster Canneries.	Whale Factory.	Freezers and Ice-houses.		Smoke and Fish-houses.	Fishing piers and wharves.	Persons employed in Canneries, Freezers and Fish-houses.	Number.
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.			Number.	Value.	Number.	Value.		
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.			Number.	Value.	Number.	Value.		
4 Subdiv. of Grand River.			102	2090	2376	2250	16560	16560	13	1300		17	1350	109	81400	402
5 " Gaspe Bay.					4516	5645	4200	4200	6	1900		49	2850	468	76675	366
6 " Monts Louis and St. Ann's					1350	2700	350	350	1	200		5	500	25	7500	30
7 " Magdalen Islands South.			170	800	3380	1430	50450	50450	15	10050		11	4300	87	9300	294
8 " " North.			135	690	750	375	69800	69800	25	19500		2	2800	9	3000	97
Totals	407	3580	12372	12400	141360	141360	141360	141360	60	38950		84	11800	698	177875	1189

COUNTY OF SAGUENAY.

9	Subdiv. of Godbout.	80	8000	16	95	400	200	200	200	200	1	350	1	50000	92	3500	10	210	1	170	30	9
10	"			10	50	120	75							1	20	1000	25	670	1	150	60	10
11	"					1800	1169	40	400			250	1		30	1500	50	30000	6	3000	10	11
12	"					494	247	1675	1675			2375	8		2	850	91	14775	10	2050	40	12
13	"					63	63	2380	2380			550	7		1	300	15	2500	17	800	56	13
14	"					1408	701	2340	2340			1500	26				50	1000	130	2500	57	14
15	"					1188	299	25	25			100	1				60	15000	80	1000	53	15
16	"					50	30	3000	3000			7500	1		2	1000	6	1500	2	50000	25	16
	Totals	80	8000	111	625	5523	2787	10020	10020	45	12625	1	50000	147	8150	307	65655	247	68670		331	

COUNTY OF RIMOUSKI.

17	Subdiv. of Rimouski County	43	3556			200	200								8	800	5	1400				26	17
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THE CATCH

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State in the Gulf Division, Province of Quebec, during the year 1913-14.

COUNTY OF BONAVENTURE.

Number.	Fishing Districts.	Salmon, *cwt.	Salmon, value.	Lobsters, cwt.	Lobsters, value.	Cod, cwt.	Cod, value.	Haddock, cwt.	Haddock, value.	Hake and Cusk, cwt.	Hake and Cusk, value.	Herring, cwt.	Herring, value.	Mackerel, cwt.	Mackerel, value.	Halibut, cwt.	Halibut, value.	Flounders, cwt.	Flounders, value.	Number.
1	Subdivision of Restigouche	1620	19440									11800	5900							1
2	" Bonaventure.	550	6600	750	3750	11500	11500	1000	750	1800	900	69250	34625					500	250	2
3	" Port Daniel.	830	9960	1380	6900	22250	22250	1650	1237	600	300	23725	11862	861	4305					3
	Totals	3000	36000	2130	10650	33750	33750	2650	1987	2400	1200	104775	52387	861	4305			500	250	

COUNTY OF GASPE.

Number.	Fishing Districts.	Salmon, *cwt.	Salmon, value.	Lobsters, cwt.	Lobsters, value.	Cod, cwt.	Cod, value.	Haddock, cwt.	Haddock, value.	Hake and Cusk, cwt.	Hake and Cusk, value.	Herring, cwt.	Herring, value.	Mackerel, cwt.	Mackerel, value.	Halibut, cwt.	Halibut, value.	Flounders, cwt.	Flounders, value.	Number.
4	Subdivision de Grand River.	372	4464	2245	11225	70100	70100	930	697			28760	14380							4
5	" Gaspe.	1200	14400	770	3850	78605	78605	1190	825			30810	15405							5
6	Subdiv. of Monts Louis and St. Anns	390	4680	50	250	13500	13500					17400	8700							6
7	" Magdalen Islands South.			11238	56190	47558	47558					66700	33350	17529	87645	154	1232			7
8	" " North.			20825	104125	1800	1800					72206	36103	5208	26040					8
	Totals	1962	23544	35128	175640	211563	211563	2030	1522			215876	107938	22737	113685	154	1232			

COUNTY OF SAGUENAY.

9 Subdivision of Gaspé	1632	19584	10	50	594	594	.....	.....	1680	840	.....	52	416	.....	9
10 " Moisie	2051	24612	.....	.....	1500	1500	.....	.....	108	54	.....	12	96	.....	10
11 " Mingan	718	8616	35	175	22380	32380	.....	.....	60	30	.....	18	144	.....	11
12 " Natashquan	547	6564	231	1155	3000	3000	.....	.....	600	315	.....	20	160	.....	12
13 " Romaine	504	6048	1007	5035	951	951	.....	.....	1200	600	.....	12	96	.....	13
14 " St. Augustin	1236	14832	1140	5700	14904	14904	.....	.....	3270	1635	.....	.....	.....	.....	14
15 " Bonne-Espérance	624	7488	9	45	65400	65400	.....	.....	600	300	.....	24	192	.....	15
16 " Island of Anticosti	106	1272	1620	8100	810	810	.....	.....	15940	7970	.....	50	400	.....	16
Totals	7418	89016	4052	20260	119539	119539	.....	.....	23548	11774	.....	188	1504	.....	.....

COUNTY OF RIMOUSKI.

17 County of Rimouski	296	3552	200	200	19450	19725	45	360	17
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Cwt. 100 lbs.

THE CATCH.

Return showing the Quantities and Values of all Fish caught and landed in a Green State in the Gulf Division, Province of Quebec, during the year 1913-14.—Concluded.

COUNTY OF BONAVENTURE.

Number.	Fishing Districts.	Smelts, cwts.	Smelts, value.	Trout, cwts.	Trout, value.	Capelin, cwts.	Capelin, value.	Eels, cwts.	Eels, value.	Tom-cod, cwts.	Tom-cod, value.	Mixed fish, cwts.	Mixed fish, value.	Oysters, cwts.	Oysters, value.	Clams, cwts.	Clams, value.	Whales, number.	Whales, value.	Number.
1	Subdivision of Restigouche...	6000	36000	100	1000	12000	3000	120	600	250	250	...	...	...	...	230	690	...	...	1
2	" Bonaventure.....	2000	12000	60	600	...	...	...	...	70	70	...	...	...	...	500	1500	...	...	2
3	" Port-Daniel.....	1750	10500	30	300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
	Totals	9750	58500	190	1900	12000	3000	120	600	320	320	...	...	...	...	730	2190	...	...

COUNTY OF GASPE.

Number.	Fishing Districts.	Smelts, cwts.	Smelts, value.	Trout, cwts.	Trout, value.	Capelin, cwts.	Capelin, value.	Eels, cwts.	Eels, value.	Tom-cod, cwts.	Tom-cod, value.	Mixed fish, cwts.	Mixed fish, value.	Oysters, cwts.	Oysters, value.	Clams, cwts.	Clams, value.	Whales, number.	Whales, value.	Number.
4	Subdivision of Grand River.	870	5220	50	500	...	...	...	...	...	...	...	...	...	...	50	150	...	...	4
5	" Gaspé.....	1200	7200	75	750	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
6	Subdiv. of Monts Louis and St. Ann's	...	...	50	500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
7	" Magdalen Islands South..	...	...	...	...	...	...	110	550	...	...	...	...	...	...	100	300	...	...	7
8	" " North.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	30	90	...	...	8
	Totals	2070	12420	175	1750	...	...	110	550	320	320	...	...	...	...	180	540	...	...

THE CATCH MARKETING.

RETURN showing the Quantities and Value of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State for the Gulf Division, Province of Quebec, during the year 1913-14.

COUNTY OF BONAVENTURE.

Number.	Fishing Districts.																	Number.
	Salmon used fresh and frozen, cwts.	Salmon salted, cwts.	Lobsters, canned, cases.	Lobsters shipped in shell, cwts.	Cod used fresh, cwts.	Cod shipped green-salted, cwts.	Cod dried, quintals.	Haddock used fresh, cwts.	Haddock dried, quintals.	Hake and Cusk dried, quintals.	Herring used fresh, cwts.	Herring smoked, cwts.	Herring pickled, brls.	Herring used as bait, brls.	Herring used as fertilizer, brls.	Mackerel used fresh, cwts.	Mackerel salted, brls.	
1	Subdiv. of Restigouche.....	1620	.....	.....	.....	.....	.....	.....	.....	.....	100	.....	100	.....	5700	.....	.....	.....
2	Bonaventure.....	550	.....	.....	.....	500	3500	10	330	600	150	300	200	500	33450	.....	.....	.....
3	Port Daniel	830	.....	.....	30	2000	6083	25	530	200	75	.....	200	400	11125	75	262	3
	Totals	3000	.....	840	30	2500	9583	35	860	800	325	300	500	900	50275	75	262	
	Rates.%	14	.....	19	8	3	6	2	4	3	1.50	2	4	1.50	.50	10	16	
	Values	42000	.....	15060	240	7500	57498	70	3440	2400	487	600	2000	1350	25137	750	4192	

COUNTY OF GASPÉ.

4	Subdiv. of Grand River.....	372	.....	886	30	100	20000	.....	310	.....	100	.....	400	4000	9730	.....	.....
5	" " Gaspé.....	1200	.....	304	10	150	24684	.....	366	.....	150	.....	500	4500	10080	.....	.....
6	" " Mont Louis and Ste. Anne.....	390	.....	20	.....	1000	3833	.....	.....	.....	100	.....	500	1000	6900	.....	.....
7	" " Magdalen Islands South.....	.....	.....	4495	.....	1000	15186	.....	.....	.....	200	4000	500	22500	6000	.....	5843
8	" " Magdalen Islands North.....	.....	.....	8330	.....	.....	600	.....	.....	.....	150	.....	5200	21000	7228	.....	1736
	Totals	1962	.....	14035	40	250	64303	.....	676	.....	700	4000	7100	53000	39938	.....	7579
	Rates	14	.....	19	8	1.50	6	.....	4	.....	1.50	2	4	1.50	.50	.....	16
	Values.....	\$ 27468	.....	\$ 266665	320	375	27600	385818	2704	.....	1050	8000	28400	79500	19969	.....	121264

SESSIONAL PAPER No. 39

COUNTY OF SAGUENAY.

9 Subdiv. of Godbout	1632		10	297					560	9
10 " Moisie	2051			400	232				36	10
11 " Mingan	718	14		1189	10000				20	11
12 " Natashquan	547	93			1000				230	12
13 " Romaine		336			317				400	13
14 " St. Augustin		821			4968				1090	14
15 " Bonne Esperance		416	4		21800				200	15
16 " Island of Anticosti	106	640	20		270				60	16
Totals	5054	1576	30	1886	38587				2596	7820
Rates	%	14	8	3	6				4	1.50
Values	%	70756	15760	30590	240				10384	11820

COUNTY OF RIMOUSKI.

17 County of Rimouski	206			100					500	8825	17
Rates	%	14		3					4	50	
Values	%	4144		307					2000	4412	

Cwt = 100 lbs. Quantal = 112 lbs.

SESSIONAL PAPER No. 39

COUNTY OF SAGUENAY.

Subdiv. of Saguenay	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440	1441	1442	1443	1444	1445	1446	1447	1448	1449	1450	1451	1452	1453	1454	1455	1456	1457	1458	1459	1460	1461	1462	1463	1464	1465	1466	1467	1468	1469	1470	1471	1472	1473	1474	1475	1476	1477	1478	1479	1480	1481	1482</
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RECAPITULATION.

OF the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state, for the **Gulf Division** (Sea Fisheries District) Province of **Quebec**, during the Year 1913-14.

Kinds of Fish.	Caught and landed in a green state.		Marketed.		Total marketed value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	\$
Salmon..... cwts.	12,676	152,112			
" used fresh			10,312	144,368	
" salted (dry)..... "			1,576	15,760	
					160,128
Lobsters..... "	41,310	206,550			
" canned..... cases.			16,485	313,215	
" shipped in shell			100	800	
					314,015
Cod..... "	365,052	365,052			
" used fresh			250	375	
" green -salted			13,686	41,058	
" dried..... "			112,473	674,838	
					716,271
Haddock..... "	4,680	3,509			
" used fresh..... "			35	70	
" dried..... "			1,536	6,144	
					6,214
Hake..... "	2,400	1,200			
" dried..... "			800		
					2,400
Herring..... "	363,649	181,824			
" used fresh..... "			1,325	1,987	
" smoked..... "			4,300	8,609	
" pickled..... brls.			10,696	42,784	
" used as bait..... "			61,780	92,670	
" used as fertilizer..... "			99,038	49,518	
					195,559
Mackerel..... cwts.	23,598	117,990			
" used fresh..... "			75	750	
" salted..... brls.			7,841	125,456	
					126,206
Halibut, used fresh..... cwts.	387	3,096	387		3,096
Flounders..... "	500	250	500		250
Smelts..... "	12,146	72,876	12,146		97,168
Trout..... "	710	7,100	710		8,520
Eels..... "	285	1,425	285		1,425
Tom Cod	320	320	320		320
Mixed Fish..... "	3,340	6,680	3,340		10,020
Clams	1,111	3,333			
" used fresh..... "			1,111		
					4,444
Capelin..... cwts.	25,100	6,275	25,100		6,275
Tongues and Sounds..... "			63		315
Hair Seal Skins			4,872		7,308
Beluga Skins..... "			75		375
Whales..... "	87	60,900			
Fish Oil..... galls.			90,400		27,119
Whale Oil..... "			147,560		44,268
Whale Bone			240		4,800
Whale Fertilizer..... tons.			244		85
Totals.....		1,190,492			1,736,581

SESSIONAL PAPER No. 39

RECAPITULATION.

OF the Number of Fishermen, etc., and of the Number and Value of Fishing Vessels, Boats, Nets, etc., in the **Gulf Division** (Sea Fisheries District), Province of **Quebec**, for the year 1913-14.

	Number.	Value.
		\$
Steam Fishing Vessels (tonnage 360).	3	48,000
Sailing and Gasoline Vessels.	29	25,300
Boats (sail).	4,213	222,152
" (gasoline).	196	65,900
Carrying Smacks.	9	7,950
Gill Nets, Seines, Trap and Smelt Nets, etc.	11,556	255,052
Weirs	143	11,780
Trawls.	676	5,015
Hand Lines.	19,235	15,957
Lobster Traps.	160,380	160,380
" Canneries	115	54,975
Freezers and Ice-houses	277	22,150
Smoke and Fish-houses.	1,120	255,930
Fishing Piers and Wharves.	290	131,115
Whaling Station.	1	50,000
Totals.		1,331,656

Number of men employed on Vessels.	149
" " Boats.	7,985
" " Carrying Smacks.	19
" persons employed in Fish-houses, Freezers, Canneries, &c.	1,776
	9,929

INLAND FISHERIES.

RETURN showing the Number of Fishermen, etc., the Number and Value of Tugs, Vessels and Boats, and the Quantity and Value of all Fishing Gear and other Material used in the Fishing Industry, in the Inland Section of the **Gulf Division**, Province of **Quebec**, during the Year 1913-14.

Number.	Fishing Districts.	Boats.			Gill-Nets.		Lines.		Weirs.		Freezers and Ice-Houses.		Fishing Clubs.		Piers and Wharves.		Persons employed in Freezers, Fish-houses, etc.	
		Sail and row.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Number.
1	Temiscouata County.	12	250	2	1500	21			13	1800	2	500	4	800			12	1
2	Kamouraska	19	1400	3	2300	43			18	2800			8	1400			8	2
3	L'Islet	24	1800	1	950	15			14	3200								3
4	Montmagny	19	950	4	2300	25			18	2400								4
5	Chicoutimi	20	500	3	1800	26												5
6	Charlevoix	12	3000	2	1200	19			14	1500								6
7	Montmorency	1	300	2	900	4			7	1400			10	5000				7
8	Quebec	100	2500	10	9000	100	300	2400			10	1000	25	10000	30	750		8
	Totals.	207	10700	27	19950	247	300	2400	84	13100	12	1500	47	17200	30	750		20

SESSIONAL PAPER No. 39

INLAND FISHERIES

RETURN showing the Quantities and Values of all Fish caught and marketed or consumed locally, for the Inland Section of the Gulf Division, Province of Quebec, during the Year 1913-14.

Numbers.	Fishing Districts	* Salmon, cwt.	Salmon, value.	Trout, cwt.	Trout, value.	Whitefish, cwt.	Whitefish, value.	Striped Bass, cwt.	Striped Bass, value.	Pickarel, cwt.	Pickarel, value.	Pike, cwt.	Pike, value.	Sturgeon, cwt.	Sturgeon, value.	Eels, cwt.	Eels, value.	Herring, cwt.	Herring, value.	Shad, cwt.	Shad, value.	Smelt, cwt.	Smelt, value.	† Mixed Fish, cwt.	† Mixed Fish, value.	Numbers.
1	Pemisconata County	12	180	12	180	...	...	...	...	...	...	...	...	5	25	15	75	180	360	10	100	20	60	...	...	1
2	Kamouraska	14	210	4	60	...	...	4	72	15	180	...	...	39	195	45	225	516	1032	12	120	30	90	...	...	2
3	L'Islet	2	30	...	...	12	120	13	234	20	240	...	...	32	160	39	195	...	...	2	20	10	30	...	...	3
4	Montmagny	5	75	...	...	18	180	82	1476	25	300	...	...	253	1245	195	975	...	...	14	140	50	150	...	...	4
5	Chicoutimi	...	...	...	...	...	...	...	...	...	...	50	250	...	...	...	...	...	...	...	...	...	...	...	...	5
6	Charlevoix	17	255	13	195	5	50	...	...	...	...	...	...	48	240	5	25	200	400	12	120	20	60	...	...	6
7	Montmorency	5	75	20	300	19	190	25	450	30	360	...	...	124	620	245	1225	...	...	10	130	25	75	...	...	7
8	Quebec	...	...	500	5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	300	900	...	...	8
	Totals	55	825	549	5735	54	540	124	2232	90	1080	50	250	501	2485	544	2720	896	1792	60	630	475	1365	380	6200	

* Cwt. = 100 lbs. † "Mixed Fish" includes grayling, bull-head, orananiehe, suckers, perch and tom cod.

RETURN showing the Number of Fishermen, etc., the Number and Value of Tugs, Vessels and Boats, and the Quantity and Value of all Fishing Gear and other Material, used in the Fishing Industry in the **Eastern Townships**, Province of Quebec. during the year 1913-14.

Number.	Fishing Districts.	Boats.					Seines.		Hoop-Nets.		Lines.	
		Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Number.	Value.	Number.	Value.
	<i>Eastern Townships.</i>		<i>\$</i>		<i>\$</i>			<i>\$</i>		<i>\$</i>		<i>\$</i>
1	Counties of Chambly and St. John.....	42	630	2	250	42	5	200	54	810	20	100
2	Counties of Missisquoi and Iberville .	40	800	3	375	57	28	1120	.....	.....	12	60
3	Counties of Stanstead and Sherbrooke....	25	500	5	625	35	.....	.....	.....	.....	30	150
4	Counties of Shefford and Brome.....	20	400	1	175	25	.....	.....	.....	.....	18	90
5	Counties of Yamaska, St. Hyacinthe, Bagot and Rouville	50	750	6	750	50	12	180	65	650	25	125
6	Counties of Richmond, Wolfe, Megantic and Beauce	25	250	10	150	25	20	100
	Totals	202	3330	18	2325	234	45	1500	119	1460	125	625

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RETURN showing the Quantities and Values of all Fish marketed or consumed locally, for the Eastern Townships, Province of Quebec, during the year 1913-14.

Number.	Fishery Districts.															Number.							
	Salmon, value.	Salmon, cwt.	Trout, value.	Trout, cwt.	Whitefish, value.	Whitefish, cwt.	Bass, value.	Bass, cwt.	Pickled, value.	Pickled, cwt.	Pike, value.	Pike, cwt.	Sturgeon, value.	Sturgeon, cwt.	Fels, value.		Fels, cwt.	Pogel, value.	Pogel, cwt.	Maskinonge, cwt.	Maskinonge, value.	Mixed Fish, cwt.	Mixed Fish, value.
Eastern Townships.																							
1	Counties of Chamblay and St. John	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Counties of Missisquoi and Iberville	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	Counties of Stanstead and Sherbrooke	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	Counties of Shefford and Bromley	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	Counties of Yamaska, St. Hyacinthe, Beaufort and Rouville	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Counties of Richmond, Wolfe, Megantic and Beauce	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Totals	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

*Cwt. 100 lb. Mixed Fish includes grey lines, bull heads and ouraniche.

RETURN showing the Number of Fishermen, etc., the Number and Value of Tugs, Vessels and Boats, and the Quantity and Value of all Fishing Gear and other Material used in the Fishing Industry, from the boundary line, County of **Huntingdon** to **Bellechasse** on the South Shore, and from the County of **Portneuf** to County of **Soulanges**, inclusive, on the North Shore, Province of **Quebec**, during the year 1913-14.

Fishing Districts.	Boats.			Gill-Nets.		Seines.		Lines.		Hoop-Nets.		Weirs.		Ice-Houses.	
	Sail.	Value.	Gasoline	Value.	Men.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
1 Huntingdon, Soulanges, Beauharnois, Vaudreuil and Lake St. Francis.	60	600			60			400	400						
2 Lake St. Louis.	20	200			20	10	30	300	300						
3 Laprairie County.	5	50			10			20	20	1	5				
4 Chambly "	20	200			40			50	50						
5 Vercheres "	10	100			20			75	75	30	150				
6 Richelieu "	25	250	2	400	34			200	200	300	1500				
7 Yamaska "	70	700	2	60	75			100	100	1000	5000				
8 Nicolet "	50	500	2	600	54	150	150	200	200	150	750				
9 Champlain and St. Maurice Counties.	40	400			50	30	90	300	300	50	250				
10 Maskinongé and Berthier "	50	500			50	30	60	300	300	500	2500				
11 L'Assomption and Terrebonne "	25	250			25	10	20	250	250						
12 Laval and Lake of Two Mountains Counties	30	300			30			400	400						
13 Hochelaga and Jacques-Cartier Counties.	25	250			25			200	300						
14 Bellechasse County.	50	750			50							30	14900	23	2500
Totals.	480	5050	6	1600	543	230	350	2895	2895	2031	10155	30	14900	23	2500

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RETURN showing the Quantities and Values of all Fish caught and marketed or consumed locally, from the boundary line, County of Huntingdon to Bellechasse on the South Shore, and from the County of Portneuf to County of Soulanges, inclusive, on the North Shore of the Province of Quebec, during the year 1913-14.

Number.	Fishing Districts.															Totals							
	Trout, cwts.	Trout, value.	Whitefish, cwts.	Whitefish, value.	Bass, cwts.	Bass, value.	Pike, cwts.	Pike, value.	Scuppon, cwts.	Scuppon, value.	Eels, cwts.	Eels, value.	Perch, cwts.	Perch, value.	Maskinonge, cwts.	Maskinonge, value.	Catfish, cwts.	Catfish, value.	Mixed Fish, cwts.	Mixed Fish, value.			
1	50	600	30	360	20	100	550	3850	15	225	20	240	20	100	75	225	1		
2	250	2500	100	1200	15	180	21	105	...	385	10	200	5	60	8	40	35	105	2		
3	25	300	15	180	5	25	15	105	15	75	2	24	2	10	15	45	3		
4	6	60	5	60	5	60	6	30	15	105	2	40	3	36	2	10	700	2100	4		
5	3	30	1	12	5	60	12	60	12	84	6	30	3	36	5	25	250	750	5		
6	3	36	18	216	25	125	50	350	35	175	2	24	10	50	200	600	6		
7	5	60	20	240	45	225	75	525	75	375	4	48	25	125	1000	3000	7		
8	3	30	10	120	50	600	50	200	80	560	60	300	4	48	30	150	150	450	8		
9	...	20	...	...	5	60	15	180	15	75	40	280	25	125	4	48	20	100	150	450	9
10	...	20	...	...	2	24	15	180	55	275	90	630	75	375	5	60	15	75	125	375	10
11	...	150	...	...	6	72	10	120	6	30	15	105	12	60	2	24	5	25	45	135	11
12	20	240	15	180	6	30	20	140	12	60	6	72	40	200	20	60	12		
13	6	72	5	60	10	50	10	70	10	50	3	36	5	25	25	75	13		
14	12	144	12	144	8	40	30	210	20	100	5	60	10	50	15	45	14		
15	30	300	...	...	30	360	90	360	600	4200	...	...	...	...	...	...	80	240	15		
Totals		190	2850	292	2920	250	3000	230	3120	278	1390	131	3448	1657	11599	138	2190	67	804	197	950	2585	8055

* Cwt. = 100 lbs. "Mixed Fish" includes grayling, bull heads and ommaniche.

RECAPITULATION.

OF the Yield and Value of the Fisheries of the **Inland Fisheries** of the Province of **Quebec**, during the year 1913-14.

Kinds of Fish.	Quantity.	Value.
		\$
Salmon..... *cwts.	85	1,425
Trout..... "	967	11,321
Whitefish..... "	514	5,140
Herring..... "	896	1,792
Bass..... "	676	8,496
Pickrel..... "	1,229	14,350
Pike..... "	935	6,179
Sturgeon..... "	977	6,383
Eels..... "	2,496	16,901
Perch..... "	1,823	9,860
Maskinongé..... "	115	1,284
Smelt..... "	455	1,365
Cat-fish..... "	197	985
Shad..... "	60	630
Mixed Fish..... "	5,622	27,735
Total.....		113,846

Quantity Consumed in Canada §.
Quantity exported to U. S. A. ½.

*Cwts. = 100 lbs.

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RECAPITULATION.

OF the Number and Value of Vessels, Boats, Nets, Traps, &c., used in the **Inland Fisheries** of the Province of **Quebec**, during the year 1913-14.

	Number.	Value.
		\$
Boats (sail).....	889	19,080
" (gasoline).....	51	23,875
Gill-nets, Seines and other nets.....	2,499	15,390
Weirs.....	114	28,000
Lines	3,320	5,920
Freezers and Ice-houses	35	4,000
Club Houses.....	47	17,200
Piers and Wharves (private)	30	750
Total.....		114,215

Number of men employed in Vessels or Tugs.....	1,024
" " Boats.....	20
	<hr/> 1,044

RECAPITULATION

On the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state, for the Whole Province of Quebec, during the Year 1913-14.

Kinds of Fish.	Sea Fisheries.				Inland Fisheries.		Marketed, Both Fisheries.		Total Mark- eted Value.
	Caught and landed in a Green State.		Marketed.		Marketed.				
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
		\$		\$		\$		\$	\$
Salmon.....cwts.	12,676	152,112							
" used fresh.... "			10,312	144,368	85	1,425	10,397	145,793	
" salted (dry).... "			1,576	15,760			1,576	15,760	161,553
Lobsters..... "	41,310	206,550							
" canned.....cases.			16,485	313,215			16,485	313,215	
" shipp. in shell.cwts.			100	800			100	800	314,015
Cod..... "	365,052	365,052							
" used fresh..... "			250	375			250	375	
" green salted..... "			13,686	41,058			13,686	41,058	
" dried..... "			112,473	674,838			112,473	674,838	716,271
Haddock..... "	4,680	3,509							
" used fresh..... "			35	70			35	70	
" dried..... "			1,536	6,144			1,536	6,144	6,214
Hake and Cusk..... "	2,400	1,200							
" " dried..... "			800	2,400			800		2,400
Herring..... "	363,649	181,824							
" used fresh..... "			1,325	1,987	896	1,792	2,221	3,779	
" smoke d..... "			4,300	8,600			4,300	8,600	
" pickled.....brls.			10,696	42,784			10,696	42,784	
" used as bait..... "			61,780	92,670			61,780	92,670	
" " fertilizer "			99,038	49,518			99,038	49,518	197,351
Mackerel.....cwts.	23,598	117,990							
" used fresh..... "			75	750			75	750	
" salted.....brls.			7,841	125,456			7,841	125,456	126,206
Shad.....cwts.									
" used fresh..... "					60	630	60	630	
Halibut, used fresh.... "	387	3,096	387	3,096			387		3,096
Flounders..... "	500	250	500	250			500		250
Smelts..... "	12,146	72,876	12,146	97,168	455	1,365	12,601		98,533
Trout..... "	710	7,100	710	8,520	967	11,321	1,677		19,841
Eels..... "	285	1,425	285	1,425	2,496	16,901	2,781		18,326
Tom cod..... "	320	320	320	320			320		320
Whitfish..... "					514	5,140	514		5,140
Bass..... "					676	8,496	676		8,496
Pickereel..... "					1,229	14,350	1,229		14,350
Pike..... "					935	6,179	935		6,179
Sturgeon..... "					977	6,383	977		6,383
Perch..... "					1,823	9,860	1,823		9,860
Maskinongé..... "					115	1,284	115		1,284
Catfish..... "					197	985	197		985
Mixed fish..... "	3,340	6,680	3,340	10,020	5,622	27,735	8,962		37,755
Clams.....brls.	1,111	3,333							
" used fresh..... "			1,111	4,444			1,111		4,444
Tongues and Sounds.....cwts.			63	315			63		315
Capelin (bait or fertili.) "	25,100	6,275	25,100	6,275			25,100		6,275

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RECAPITULTION

OF the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state, for the **Whole Province of Quebec**, during the Year 1913-14—*Continued.*

Kinds of Fish.	Sea Fisheries.				Inland Fisheries.		Marketed, Both Fisheries.		Total Mark- eted Value.
	Caught and landed in a Green State.		Marketed.		Caught and Marketed.				
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
		¢		¢		¢		¢	
Hair seal skins..... No.			4,872	7,308			4,872		7,308
Beluga skins..... "			75	375			75		375
Whales..... "	87	60,900							
Fish oil..... gals.			90,400	27,119			90,400		27,119
Whale oil..... "			147,560	44,268			147,560		44,268
Whale bone..... cwts.			240	4,800			240		4,800
Whale fertilizer. tons.			244	85			244		85
Totals		1,190,492		1,736,581		113,846			1,850,427

RECAPITULATION.

OF the Number of Fishermen, etc., and of the Number and Value of Fishing Vessels, Boats, Nets, etc., in the **Whole** Province of **Quebec** for the Year 1913-14.

	Sea Fisheries.		Inland Fisheries.		Total-Both Fisheries.	
	Number.	Value	Number.	Value.	Number.	Value.
		\$		\$		\$
Steam Fishing Vessels (tonnage 360)..	3	48,000	.....	.....	3	48,000
Sailing & Gasoline Vessels.....	29	25,300	.....	.....	29	25,300
Boats (sail).....	4,213	222,152	889	19,080	5,102	241,232
" (gasoline).....	196	65,900	51	23,875	247	89,775
Carrying Smacks.....	9	7,950	.....	.....	9	7,950
Gill Nets, Seines, Trap & Smelt Nets, &c	11,556	255,052	2,499	15,390	14,055	270,442
Weirs.....	143	11,780	114	28,000	257	39,780
Trawls.....	676	5,015	.....	.....	676	5,015
Hand Lines.....	19,235	15,957	3,320	5,920	22,555	21,877
Lobster Traps.....	160,380	160,380	.....	.....	160,380	160,380
Lobster Canneries..	115	54,975	.....	.....	115	54,975
Freezers and Ice-houses.....	277	22,150	35	4,000	312	26,150
Smoke and Fish-houses.....	1,120	255,930	.....	.....	1,120	255,930
Fishing Piers and Wharves.....	290	131,115	30	750	320	131,865
Club Houses.....	.....	.....	47	17,200	47	17,200
Whaling Stations.....	1	50,000	.....	.....	1	50,000
Totals		1,331,656	.....	114,215	.....	1,445,871

	Sea Fisheries.	Inland Fisheries.	Total.
Number of men employed on Vessels.....	149	.....	149
" " Boats.....	7,985	1,024	9,009
" " Carrying Smacks.....	19	.....	19
" persons employed in Fish-houses, Freezers, Canneries, &c	1,776	20	1,796
Totals.	9,929	1,044	10,973

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APPENDIX No. 5.**ONTARIO**

DISTRICT No. 1.—COMPRISING RAINY RIVER, THUNDER BAY, PARRY SOUND, &c., DISTRICTS. INSPECTOR, T. J. FOSTER, SAULT STE. MARIE, ONT.

DISTRICT No. 2.—COMPRISING PART OF THE COUNTY OF BRUCE, THE COUNTIES OF HURON, LAMBTON, ESSEX, KENT, ELGIN, &c., AND LAKES HURON, ST. CLAIR AND ERIE. INSPECTOR, O. B. SHEPPARD, TORONTO, ONT.

DISTRICT No. 3.—COMPRISING LAKE ONTARIO AND THE EASTERN COUNTIES OF THE PROVINCE. INSPECTOR, J. S. HURST, BELLEVILLE, ONT.

N.B.—The Fisheries of Ontario are administered by the Provincial Government. This Department merely exercises a general supervision.

REPORT ON THE FISHERIES OF DISTRICT No. 2.

To the Superintendent of Fisheries,
Ottawa, Ont.

SIR,—I have the honour to submit my report on the Fisheries of my District for the season 1913-14.

Commercial fishing has been about an average with former years excepting for herring in Lake Erie which shows an increase.

The angling sportsman Fisheries has been very good in most waters especially in waters removed from the thickly populated Districts.

In my visits to the various localities in my District I have heard many comments on the exhibit given by the Department at the Canadian National Exhibition last year and nothing but words of praise were expressed in regard to the same and I am satisfied that it will be the means of doing a great deal to introduce fish as a more general food through Ontario and am sure it will be a lasting benefit and a great saving to the people in general and will have the effect of fish taking the place to some considerable extent of meat which has lately been so high priced (and is continually advancing) that it has kept many of the poor and medium classes from using it to the same extent as formerly. I am pleased that the Exhibit is being continued by the Department this year and am sure it will have very beneficial and lasting effects.

I find that the law has been generally well observed and that American tourists are very much more careful in regard to the size and number of fish caught than they were in former years.

The price received by fishermen this season is practically the same as last with the exception of blue pickerel which has been considerably lower.

All of which is respectfully submitted.

Your obedient servant,

O. B. SHEPPARD,
Inspector of Fisheries.

5 GEORGE V., A. 1915

REPORT ON THE FISHERIES OF DISTRICT No. 1.

To the Superintendent of Fisheries,
Ottawa, Ont.

SIR,—I have the honour to submit my Report on the Fisheries of the North-West Division of the Province of Ontario for the fiscal year 1913-14.

I am pleased to report a continued improvement in the Fisheries of this District. Commercial fishing was equal to, and in many cases exceeded that of previous years, especially that of white fish. Game fishing also was better than hitherto and tourists report good catches of Brook Trout and Bass. No serious infractions of the Laws have been reported except in the St. Mary's River, and in the vicinity of St. Joseph Island where American poachers continue to trespass when not closely watched.

I regret that no close season has yet been made for Rainbow Trout which afford so much sport and abound in the St. Mary's River Rapids. Grey Trout also now quite numerous should be protected.

I find the fishery laws generally are being efficiently enforced.

I am, Sir,
Your obedient servant,

T. J. FOSTER,
Fisheries Inspector.

REPORT ON THE FISHERIES OF DISTRICT No. 3.

To the Superintendent of Fisheries,
Ottawa.

SIR,—I have the honour to submit my report on the fisheries in my district for the fiscal year 1913-14. Commercial fishing in my district has been very good. There was a very good catch of white fish in Lake Ontario and Bay of Quinte also a large catch of herring.

White fish are on the increase in Bay of Quinte; which is due largely to restocking. Coarse fish such as carp, catfish, bullheads, and perch show an increase over last year for which fishermen found a ready market at fair prices.

I have visited most of the fishing stations and found the law well respected: The provincial officers with their patrol boats are doing good work.

I would be very much pleased to see more fishways in this district as bass and pickerel naturally go up stream to spawn.

Anglers have enjoyed excellent sport after bass and trout which were plentiful during the past season.

The new hatchery erected by your department on Bay of Quinte will be ready to receive spawn this fall and I feel satisfied that great benefit will be derived in a few years.

I am, Sir,
Your obedient servant,

J. S. HURST,
Inspector of Fisheries.

WM. A. FOUND, Esq.,
Superintendent of Fisheries,
Ottawa.

SESSIONAL PAPER No. 39

SUMMARY

Of the Yield and Value of the Fisheries in the Province of Ontario, during the year 1913-1914.

Kind of Fish.	Quantity.	Value.
		\$
Salmon.....*cwts.		
Trout....."	62,204	579,832
Whitefish....."	52,263	520,123
Herring....."	130,718	658,038
Bass....."		
Pickarel....."	26,564	265,645
Pike....."	34,547	276,378
Sturgeon....."	2,535	38,022
Eels....."	2,370	14,221
Perch....."	12,427	62,137
Maskinonge....."		
Tullibee....."	5,738	34,429
Cat-fish....."	5,264	42,115
Carp....."	6,721	33,606
Mixed Fish....."	28,291	141,456
Caviare....."	84	8,411
Sturgeon Livers.....No.	453	272
Total.....		2,674,685

* Cwts. = 100 lbs.

RECAPITULATION

Of the number and Value of Vessels, Boats, Nets, Traps, etc., used in the Fisheries in the Province of Ontario, during the year 1913-1914.

	Number.	Value.
		\$
Steam Vessels or Tugs.....	190	433,180
Boats sail).....	1,224	101,631
" gasoline.....	366	166,660
Gill-nets, Seines and other nets.....	52,613	645,353
Spears.....	103	260
Lines (of 100 hooks).....	463	627
Freezers and Ice-houses.....	333	130,500
Piers and Wharves (private).....	91	28,370
Totals.....		1,506,581

Number of men employed in Vessels or Tugs..... 744
..... 2,767
..... 3,511

APPENDIX No. 6.

MANITOBA

REPORT ON THE FISHERIES OF THE PROVINCE.

To the Superintendent of Fisheries,
Ottawa, Ont.

SIR,—I have the honour to submit my Annual Report on the fisheries of the Province of Manitoba, and a part of the Province of Saskatchewan, for the fiscal year ended March 31, 1914, together with the statistical returns showing the yield and value of the catch.

Heavy storms caused a falling off in the quantity of whitefish taken from Lake Winnipeg during the summer. The fish taken were, however, of a fair size. Winter fishing this lake was not so successful as in the previous year. The lake was late in freezing up, and then storms broke the ice after the fishermen had their nets set.

The Fishery Overseer of Lake Winnipegosis reports that whitefish and pickerel were not nearly so plentiful as they were in the preceding year. There was also a diminished catch of whitefish and pickerel in Lake Manitoba; while in Lake Waterhen there was a small decrease in the quantity of whitefish, but an increase in pickerel. The catch of whitefish in Clearwater and Cormorant lakes was slightly greater.

From a small lake called Red Deer, fished this year for the first time, there were taken 42 cwts. of whitefish. Fishing on Lake St. Martin was much better this year than in the preceding year.

The Saskatchewan river was fished during the summer and fall with seines, chiefly as a test of whether it would pay to fish commercially in this way; also to see what effect this style of fishing would have. Fishery Overseer Stevenson reports that so far as can yet be known there are no bad effects from the operations of seines.

Beaver lake which lies ninety miles north-west from The Pas was fished this year for the first time for commercial purposes. There were fourteen licenses issued, and about eleven car-loads of fish taken from it.

Fishery Overseer Stevenson reports that the whitefish in Cormorant and Clearwater lakes are very small, and he would recommend the closing of these lakes.

The law has been very well observed, with a few exceptions. I seized a quantity of whitefish on the Little Saskatchewan spawning grounds last winter; also a quantity of jackfish that were caught in Oak lake in Southern Manitoba. The Overseers report that the ice was well cleaned on the lakes after the winter fishing was over.

There has been no addition to the number of vessels or boats operating in the Provinces, but there has been a development in fish culture. A large hatchery was built on Dauphin river last year, and the weekly reports show that a large amount of fry was hatched out. Under orders from the Department I took from the Selkirk hatchery thirty-two cans of young whitefish and placed them in Lac du Bonnet; also sixteen cans which I placed in Shoal lake, near Shoal lake station,—each can contained 8,000 whitefish.

I am, Sir,
Your obedient servant,

J. A. HOWELL,
Inspector of Fisheries.

SESSIONAL PAPER No. 39

THE CATCH MARKETED.

RETURN showing the Quantities and Value of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., State, for the County of Shelburne, Province of Nova Scotia, during the year 1913 14. *Concluded.*

Number.	Fishing Districts.	Herring, salted, cwt.	Herring, pickled, lbs.	Herring, used as bait, lbs.	Macarel, used fresh, cwt.	Macarel, salted, lbs.	Alwives, used fresh, cwt.	Alwives, salted, lbs.	Halibut, used fresh, cwt.	Snellies, used fresh, cwt.	Albacore, used fresh, cwt.	Swor 1 Fish, used fresh, cwt.	Squid, used as bait, lbs.	Clams and Quahogs, used fresh, cwt.	Dulse, Crabs, Cockles, and Other shells, Fish, used fresh, cwt.	Fish Oil, gals.	Numbers.	
1	Wood's Harbour.		1721	4748	1290	66											1	
2	Shag Harbour and Bear Point.		353	276	84				39			99					2	
3	Cape Island.			1825	390				180			15				3800	3	
4	Barrington.		240				400										4	
5	Port La Tour and Paccar.		725	1418	327	28			175			28	10				5	
6	Cape Negro and Blanche.			830	135				48								6	
7	Port Saxon, Clyde River, N.E. and N.W. Harbours.		400		61	60	130	125									7	
8	Black Point, Red Head and Round Bay.		900	470	46	95											8	
9	Roseway, Carleton Village and McNutt's Island.		500	1300	60	583	15										9	
10	Gunning Cove, Churchover and Birchtown.		1238	1750	42	154	33			34				200			10	
11	Shelburne and Sandy Point.		712	1093	315	455	71	25		10							11	
12	Jordan, East and West.				42	150	36	10		31		19					12	
13	Lockeport.	260	1125	5066	1102	392	252	10	2202			80	638	2	392	8	500	13
	Totals.	260	7914	20506	3894	1983	937	170	2944	75	222	909	2	592		8	4300	
	Rates.	6 00	3 00	2 00	5 00	12 00	1 00	4 00	8 00	15 00	4 00	8 00	2 50	1 50		7 00	30c	
	Values.	1 560	23742	41012	19470	23796	937	680	23552	1125	888	7272	5	888		56	1290	

Total Value, \$1,052,450
* Qtd. = 112 lbs.

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State in the County of Yarmouth, Province of Nova Scotia, during the year 1913-14.

Fishing Districts.	Salmon, cwts*		Salmon, value.		Lobsters, cwts.		Lobsters, value.		Cod, cwts.		Cod, value.		Haddock, cwts.		Haddock, value.		Hake and Cusk, cwts.		Hake and Cusk, value.		Pollock, cwts.		Pollock, value.		Herring, cwts.		Herring, value.		Mackerel, cwts.		Mackerel, value.		Number.
			\$				\$				\$				\$			\$				\$				\$				\$			
Yarmouth County.																																	
1	Port Maitland.....	11	212		4837	38696		7027	10645	2900	3343	50	42	906	1500	906	1500	1500	1500	1500	1400	1400	6290	1									
2	Sandford.....	18	330		4740	37920		5000	7573	2500	2882	40	34	840	1500	840	1500	1500	1500	1500	1900	1900	8533	2									
3	Yarmouth.....				9858	78864		13202	20001	4490	5174	1224	1032	2163	7120	2165	7120	7120	7120	7120	3500	3500	15752	3									
4	Arcadia.....				4445	35560		1500	2271	700	808	30	25	600	3000	600	3000	3000	3000	3000	1005	1005	4472	4									
5	Pinkney's Point.....				4585	36680		1500	2271	600	692	20	17	360	1400	360	1400	1400	1400	1400	1110	1110	4930	5									
6	Comeau Hill.....				9774	78192		6500	9088	1914	2206	275	225	1100	7050	1100	7050	7050	7050	7050	2600	2600	11665	6									
7	Wedgeport.....	6	110		10480	83840		9000	13632	2100	2421	450	421	1200	10108	1200	10108	10108	10108	10108	3150	3150	14152	7									
8	Salmon River.....	12	220																					8									
9	Tusket.....	25	458																					9									
10	El Brook.....				101	808															50	50	228	10									
11	Argyle.....				4911	39288		2000	3029	440	507	20	17	50	6100	50	6100	6100	6100	6100	1400	1400	5833	11									
12	Pubnicoes.....				10550	84400		15250	23199	4000	4610	1194	1005	2030	6150	2032	6150	6150	6150	6150	2200	2200	9872	12									
Totals..		72	1320		64281	514248		60479	91709	19644	22643	3303	2818	9249	43928	9253	43928	43928	43928	43928	18215	18215	81727										

Cwt. = 100 lbs.

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State in the County of Yarmouth, Province of Nova Scotia, during the year 1913-14--Concluded.

Number.	Fishing Districts.	Shad, cwts.	Shad, value.	Alwives, cwts.	Alwives, value.	Halibut, cwts.	Halibut, value.	Smelts, cwts.	Smelts, value.	Albacore, cwts.	Albacore, value.	Eels, cwts.	Eels, value.	Swordfish, cwts.	Swordfish, value.	Mixed Fish, cwts.	Mixed Fish, value.	(Jams, bils.	(Jams, value.	Dulse, crabs, other shell fish, cwts.	Dulse, crabs, other shell fish, value.	Number.
Yarmouth County.																						
1	Port Maitland.					15	96									500	250	70	140			1
2	Sandford.					12	77					4	28			550	275	60	120			2
3	Yarmouth			60	60	1035	6739	2	24			4	28	17	85	400	200	215	430	6	6	3
4	Arcadia.			23	23	6	38					8	56					40	80	8	8	4
5	Pinkney's Point.					5	32											30	60			5
6	Comeau Hill.			37	37	8	51			52	189			10	50	120	60	90	180	4	4	6
7	Wedgeport.			20	20	12	77	1	12	250	900	8	56	20	100	160	80	118	236			7
8	Salmon River.			1450	1450			5	62			21	147									8
9	Tusket.	82	498	3800	3800			861	10633			102	714									9
10	Fel Brook			600	600			130	1608			69	483									10
11	Argyle.			500	500			30	364			30	210					90	180	12	12	11
12	Pubnicoes.			96	96	341	2202	73	898	50	180	60	420	30	150	200	100	202	404	52	52	12
Totals.		82	498	6586	6586	1434	9312	1102	13601	352	1269	306	2142	77	385	1930	965	915	1830		82	82

Cwt. =100 lbs.

THE CATCH MARKETING.
RETURN showing the Quantities and Values of all Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for the County of Yarmouth, Province of Nova Scotia, during the year 1913-14.

Number.	Fishing Districts.	Salmon, used fresh and frozen, cwt.	Lobsters, canned, cases.	Lobsters, shipped in shell, cwt.	Cod, used fresh, cwt.	Cod, shipped green salted, cwt.	Cod, dried, qtl.†	Haddock, used fresh, cwt.	Haddock, smoked, cwt.	Haddock, dried, qtl.	Hake and Cusk, used fresh, cwt.	Hake and Cusk, dried, qtls.	Pollock, used fresh, cwt.	Pollock, dried, qtl.	Herring, used fresh, cwt.	Herring, smoked, cwt.	Herring, pickled, brls.	Herring used as bait, brls.	Number.
Yarmouth County.																			
1	Port Maitland	11	1335	1500	705	200	1971	450	20	806	15	15	60	270	280	560	1	560	1
2	Sandford	18	1296	1500	510	150	1396	360	10	705	12	12	80	250	266	450	2	450	2
3	Yarmouth		2673	3176	2602	3000	1518	2920	560	134	1018	61	260	630	916	1370	3	1370	3
4	Arcadia		1195	1458	1251	100	380	371	20	86	8	8	60	179	300	500	4	500	4
5	Pinkney's Point		1254	1450	145	100	385	940	70	179	6	6	100	107	300	432	5	432	5
6	Comeau Hill		2645	3162	625	242	1634	950	50	278	89	89	120	327	1124	902	6	1010	6
7	Wedgeport	6	2845	3368	950	250	2514	950	50	342	149	149	120	357	262	1350	7	1029	7
8	Salmon River	12															8		8
9	Tusket	25															9		9
10	El Brook		17	59	100												10		10
11	Argyle		1334	1576	203	50	564			131	6	6		15	200	1217	508	529	11
12	Pubnico		2846	3435	1600	300	4331	800	25	1042	356	356	200	604		1040	712	1400	12
Totals		72	17440	20684	7565	4392	14693	6791	755	3703	1018	702	880	2739	462	6247	5425	7348	
Rates		19.00	21.00	15.00	2.00	4.00	6.00	1.50	7.60	4.00	1.00	3.00	1.00	4.00	1.50	4.00	3.50	2.00	
Value		1368	366240	310460	15130	17568	88158	10186	5285	14812	1018	2106	880	10956	693	24988	18987	14696	

* Cwt. = 100 lbs. † Qtl. = 112 lbs.

THE CATCH MARKETING.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for the County of Yarmouth, Province of Nova Scotia, during the year 1913-14. *Concluded.*

Number.	Fishing Districts.	Mackerel, used fresh, cwt.	Mackerel, salted, brls.	Shad, used fresh, cwt.	Alwives, used fresh, cwt.	Alwives, salted, brls.	Hallibut, used fresh, cwt.	Smelts, used fresh, cwt.	Albacore, used fresh, cwt.	Hels, used fresh, cwt.	Sword fish, used fresh, cwt.	Mixed Fish, used fresh, cwt.	Clams and (quahogs, used fresh, brls.	Dulse, (Crabs and other Shell Fish, used fresh, cwt.	Fish Oil, gallons.	Number.
<i>Yarmouth County.</i>																
1	Port Maitland	135	15				15					500			70	80
2	Sandford	1846	18				12				4	530			60	70
3	Yarmouth	2900	200				1035	2			4	400			215	400
4	Arcadia	615	130				6				8				40	50
5	Pinkney's Point	690	140				5								30	20
6	Comeau Hill	1700	300				8					120			90	460
7	Wedgeport	2388	254				12					160			118	540
8	Salmon River															
9	Tusket															
10	Eel Brook	26	8	82												
11	Argyle	640	220													
12	Pubnicoes	1081	373				341	73				200			202	1000
	Totals	13241	1658	82	2020	1522	1434	1102	352	306	77	1930	915		82	2620
	Rates	8 00	12 00	10 00	1 50	3 00	7 00	14 00	5 00	7 00	8 00	1 00	2 00	1 00		30
	Values	105925	19896	820	3030	4566	10038	15428	1760	2142	616	1930	1830	82		786
	Total value															\$1,072,383

* Qtls. = 100 lbs.

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State in the County of Digby, Province of Nova Scotia, during the year 1913-14.

Number.	Fishing Districts.	Salmon, * cwt.	Salmon, value.	Lobsters, cwt.	Lobsters, value.	Cod, cwt.	Cod, value.	Haddock, cwt.	Haddock, value.	Hake and cusk, cwt.	Hake and cusk, value.	Pollock, cwt.	Pollock, value.	Herring, cwt.	Herring, value.	Mackerel, cwt.	Mackerel, value.	Alewives, cwt.	Alewives, value.	Number.
<i>Digby County.</i>																				
1	Digby and vicinity	10	200	475	5700	13500	13625	36000	192520	20611	15358	1800	1800	2000	1500	180	900	10	10	1
2	Bay View and Culloden			520	6240	400	700	2000	5500	2100	1890	400	400	25	19					2
3	Gulliver's Cove to Waterford			823	9876	870	1522	4200	7350	6000	5400	2300	2300	1570	1177	1950	9750			3
4	Centreville			754	8400	2560	4480	9516	26169	8639	9775	254	254	1394	1845	402	2010			4
5	Sandy Cove and Mink Cove			500	6000	1500	2625	1300	3575	2500	2250	600	600	3200	2400	4200	21000			5
6	Little River and Whale Cove			2015	20280	1275	2231	9250	25437	12225	11002	185	185	1000	750	600	3000			6
7	Tiddville and East Ferry			450	5400	986	1725	500	1375	4250	3825	1330	1330	340	255	80	400			7
8	Tiverton and Central Grove			1950	23040	13450	27037	3615	9941	37150	33435	3400	3400	3200	2400	312	1560			8
9	Freeport			1730	20760	4814	8424	2356	6479	21562	19405	4200	4200	350	262	39	195			9
10	Westport			1738	19200	11500	20125	6200	17050	15500	13950	4300	4300	1200	900	37	185			10
11	Smith's Cove and Brighton			15	180	85	148	50	137	30	27	180	180	1500	1125	1287	6435			11
12	Plympton and Weymouth			215	2580	620	1090	300	825	240	216	700	700	500	375	1596	7980			12
13	New Edinburgh			597	5700	70	140	1500	1500			8	8			1168	5112			13
14	Belliveau and White Cove			42	515	32	64	4960	4960					1707	1737	450	2250			14
15	Grosse Coques			4	50	140	280	213	319					705	766	210	1050			15
16	Church Point			100	1225	218	436	1223	1223					160	160					16
17	Little Brook and Comeauville			1902	16120	950	1900	310	465					10	10					17
18	Saulnierville			146	1789	670	1340	295	442					24	24	12	60			18
19	Meteghan River			122	1495	760	1520	340	360					210	210	234	1170			19
20	Meteghan			872	7255	700	1400	320	320			75	75	609	609	50	250			20
21	Comeau's Cove			172	2107	1153	2306	668	1002			15	15	10	10	10	50			21
22	Bear Cove			185	2266	560	1120	310	465					10	10	8	40			22
23	Cape St. Mary's			3482	31820	1486	2972	685	1928			120	120	1460	1460	404	2020			23
24	Salmon and Beaver River	2	60	163	1697	505	1010	320	480			51	51	10	10	70	350			24
Totals		12	260	18972	199695	58804	98220	86431	308922	130857	116633	19918	19918	21191	17214	13299	65767	10	10	

* Cwt=100 lbs.

THE CATCH MARKETING.

RETURN showing the Quantities and Value of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for the County of Digby, Province of Nova Scotia, during the year 1913-14.

Number.	Fishing Districts.	Salmon, used fresh and frozen, cwt.	Lobsters, canned, cases.	Lobsters, shipped in shell, cwt.	Cod, used fresh, cwt.	Cod, smoked, cwt.	Cod, shipped green salted, cwt.	Cod, dried, quintals.	Haddock, used fresh, cwt.	Haddock, smoked, ed, cwt.	Haddock, canned cases.	Haddock, dried, quintals.	Hake and Cusk, used fresh, cwt.	Hake and Cusk, dried, quintals.	Pollock, used fresh, cwt.	Pollock, dried, cwt.	Herring, used fresh, cwt.	Herring, canned, cases.	Herring, pickled, brs.	Herring, used as bait, brs.	Number.	
Digby County.																						
1	Digby and vicinity	10		475	1450	1004		3347	8000	14000			2428	6061		600				1000	1	
2	Bay View and Culloden			520				133	2000				2106			133				13	2	
3	Gulliver's Cove to Waterford.			823				290	4200					2000		767				785	3	
4	Centreville.		109	482		124		770	1199	1101	822			2879		84		3604				4
5	Sandy Cove and Mink Cove.			500				500	1300					833		200				1600	5	
6	Little River and Whale Cove.		650	390				425	3250	500	3125			4075		61				500	6	
7	Tiddville and East Ferry.			450				328	500					1417		443				170	7	
8	Tiverton and Central Grove.		59	1892				4483	3615					12383		1133				1600	8	
9	Freeport			1730				1607	2356				2000	5517		1400				175	9	
10	Westport		276	1048				383	4600	800				5167		1433				600	10	
11	Smith's Cove and Brighton.			15				28	50				30		180					750	11	
12	Plympton and Weymouth.			215				207	300					80	200	167				250	12	
13	New Edinburgh		142	242	70				1500							2					13	
14	Belliveau and White Cove.			42				10		2480							50			828	14	
15	Grosse Coques			4	20			40	213								23			363	15	
16	Church Point.			100	18			66	117	553										80	16	
17	Little Brook and Comeauville	2	581	450	50		156	196	10			100					10				17	
18	Saulnierville			146	40			210	10			95								12	18	
19	Meteghan River			122	60			233	340								10			100	19	
20	Meteghan		260	222	10			230	320						25		9			225	20	
21	Comeau's Cove			172	20		566		302			122			5		10				21	
22	Bear Cove.			185	11		274		10			100								5	22	
23	Cape St. Mary's.		601	1980	20		250	322	85			200			40				150	505	23	
24	Salmon and Beaver Rivers.	2		163			150	68	266			18			17					5	24	
Totals.		12	2678	12278	1769	1128	1396	17324	34543	19434	6947	635	6558	41412	380	6570	112	3604	200	9566		
Rates		\$ 22.00	21.00	18.00	2.00	5.00	4.00	7.00	3.00	7.00	6.00	4.00	3.00	5.00	1.00	5.00	1.00	3.50	3.00	2.00		
Values.		\$ 261	56238	221004	3538	5640	5584	121268	103629	136038	41662	2540	19674	207060	380	32850	112	12614	600	19132		

* Cwts. = 100 lbs. † Quintal = 112 lbs.

THE CATCH MARKETED.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for the County of Digby, Province of Nova Scotia, during the year 1913 14 *Concluded.*

Number.	Fishing Districts.	Mackerel, used fresh, cwt.	Mackerel, can- ned, cwt.	Mackerel, salted, brls.	Alwives, used fresh, cwt.	Halibut, used fresh, cwt.	Flounders, used fresh, cwt.	Smelts, used fresh, cwt.	Trout, used fresh, cwt.	Albacore, used fresh, cwt.	Bass, used fresh, cwt.	Eels, used fresh, cwt.	Tom-cod, used fresh, cwt.	Mixed-fish, used fresh, cwt.	Squid used as bait, brls.	Clams & Quah- augs, used fresh, brls.	Pulse, (rabs and other shell fish used fresh, cwt.	Sound, pickled or dried, cwt.	Fish-oil, gals.	Number.	
<i>Digby County.</i>																					
1	Digby and vicinity	180			10	400	93	10	7	5	13			20			10306	397	85	2491	1
2	Bay View and Culloden			417		9												10			2
3	Gulliver's Cove to Waterford	700	355			18								40			30	10	30		3
4	Centreville					19													170	2100	4
5	Sandy Cove and Mink Cove	3000		400		10	10				70			50			20		15	800	5
6	Little River and Whale Cove		87	138		10			1				3					30		2500	6
7	Tiddville and East Ferry			27		10													240		7
8	Tiverton and Central Grove			104		30			2							2	10		103	11400	8
9	Freeport			13		720								2356	100	75			85	1790	9
10	Westport			12		340									50	30			96	1680	10
11	Smith's Cove and Brighton	687		200				1	3				8	120							11
12	Plympton and Weymouth	1596						123	6								500				12
13	New Edinburgh	484		228													265				13
14	Belliveau and White Cove	450												2			240				14
15	Grosse Coques	210							1					3			160				15
16	Church Point								1								15				16
17	Little Brook and Comeauville								2												17
18	Saulnierville			1																	18
19	Meteghan River	54		60					1					4			25				19
20	Meteghan	5		15													3				20
21	Comeau's Cove	1		3					1												21
22	Bear Cove	2		2																15	22
23	Cape St. Mary's	50		118		5			1										6		23
24	Salmon and Beaver River	10		20		1			1				60							250	24
Totals		7872	443	1781	10	1575	103	137	27	75	13	71	132	2166	158	11709	407	870		23026	
Rates		5.00	8.00	10.00	1.00	7.00	2.00	12.00	15.00	4.00	5.00	6.00	75	50	4.00	2.00	5.00	23.00		27c.	
Values		39360	3544	17810	10	11025	206	1641	405	300	65	426	90	1233	632	23418	2035	2000		6217	
Total Value																					\$1,118,266

THE

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State

Number.	Fishing Districts.	Salmon, cwts.	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value	Hake and Cusk, cwts.	Hake and Cusk, value.	Pollock, cwts.	Pollock, value.
	<i>Annapolis County.</i>		\$		\$		\$		\$		\$		\$
1	Margaretsville.....	50	1000	20	300	1150	2300	292	584	75	75	70	70
2	Port George.....	60	1200	98	1470	580	1160	380	760	110	110	70	70
3	Port Lorne.....	22	440	49	735	470	940	132	264	95	95	270	270
4	Hampton.....	30	600	225	3375	260	520	711	1422	320	320	102	102
5	Phinney's Cove.....	.....	.....	265	3975	960	1920	1250	2500	660	660	110	110
6	Parker's Cove.....	.....	.....	355	5325	1130	2260	740	1480	2230	2230	80	80
7	Hilsburne.....	.	.	205	3075	6700	13400	3610	7220	4320	4320	.....	.....
8	Litchfield.....	.....	.....	159	2385	1010	2020	1450	2900	3990	3990	35	35
9	Port Wade.....	.....	.....	150	2250	2020	4040	3740	7480	1440	1440	.....	.....
10	Victoria Beach.....	.....	.....	298	4470	4130	8260	6100	12200	4830	4830	.....	.....
11	Deep Brook & Clementsport..	.....	.....	.....	.....	135	270	223	443	30	30	.....	.....
12	Annapolis, Lequille and Nic-teaux Rivers.....	65	1800	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Totals.....	227	4540	1824	27360	18545	37090	18628	37256	18100	18100	737	737

* Cwt. = 100 lbs.

SESSIONAL PAPER No. 39

CATCH.

in the County of **Annapolis**, Province of **Nova Scotia**, during the year 1913-14.

Herring, cwts.	Herring, value.	Mackerel, cwts.	Mackerel, value.	Shad, cwts.	Shad, value.	Halibut, cwts.	Halibut, value.	Flounders, cwts.	Flounders, value.	Trout, cwts.	Trout, value.	Sturgeon, cwts.	Sturgeon, value.	Bass, cwts.	Bass, value.	Eels, cwts.	Eels, value.	Tom-cod, cwts.	Tom-cod, value.	Clams, cwts.	Clams, value.	Dulse, Crabs, etc., cwts.	Dulse, Crabs, etc., value.	Number.
	¢		¢		¢		¢		¢		¢		¢		¢		¢		¢		¢		¢	
60	60																							1
70	70	20	100																					2
20	20																							3
																								4
30	30																							5
50	50																							6
30	30																							7
40	40	100	500																					8
255	255					820	8200													2358	3537	300	500	9
220	220					467	4670	15	30															10
155	155							15	30	200	3000							20	40	3788	5682			11
				55	550					300	4500	34	510	50	500	30	150							12
930	930	120	600	55	550	1287	12870	30	60	500	7500	34	510	50	500	30	150	20	40	6146	9219	300	500	

5 GEORGE V., A. 1915

THE CATCH

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed
of Nova Scotia, during

Number.	Fishing Districts.	Salmon, used fresh and frozen, *cwts.	Lobsters, shipped in shell, cwts.	Cod, used fresh, cwts.	Cod, dried, † quintals.	Haddock, used fresh, cwts.	Haddock, smoked, cwts.	Haddock, dried, quintals.	Hake and Cusk, dried, quintals	Pollock, used fresh, cwts.
	<i>Annapolis County.</i>									
1	Margaretsville.....	50	20	70	351	58	...	78	22	....
2	Port George.. . . .	60	98	60	170	113	.....	87	36	40
3	Port Lorne.....	22	49	75	131	41	.....	28	29	.....
4	Hampton.....	30	225	45	69	87	.....	208	105	.....
5	Phinney's Cove.....		265	10	316	342	...	336	219	.....
6	Parkers Cove.....		355	285	281	83	110	145	741	.....
7	Hilsbarne		205	...	2232	429	400	791	1438	.....
8	Leitchfield.		159	264	246	328	...	373	1328	.....
9	Port Wade.....		150	570	482	1700	.....	679	477	.....
10	Victoria Beach.....		298	1760	789	3000	600	622	1607	.....
11	Deep Brook and Clementsport.....		...	...	45	85	...	41	9	.....
12	Annapolis, Lequille and Nictaux Rivers.	65	...	...	...	...	...	...	...	.....
	Totals.....	227	1824	3139	5112	6266	1110	3388	6011	40
	Rates \$	20.00	15.00	2.50	6.00	2.50	7.00	5.00	3.50	1.50
	Values..... \$	4540	27360	7847	30672	15664	7770	16940	21038	60
	Total value.. . . .									

*Cwt. =100 lbs. †Quintal=112 lbs.

SESSIONAL PAPER No. 39

MARKETED.

in a fresh, dried, pickled, canned, &c., State, for the County of **Annapolis**, Province the year 1913-14.

Pollock, dried, quintals.	Herring, used as bait, brls.	Mackerel, used fresh, cwts.	Shad, used fresh, cwts.	Halibut, used fresh, cwts.	Flounders, used fresh, cwts.	Trout, used fresh, cwts.	Sturgeon, used fresh, cwts.	Bass, used fresh, cwts.	Eels, used fresh, cwts.	Tom-cod, used fresh, cwts.	Clams, used fresh, brls.	Dulse, Crabs, Cockles and other shell fish, used fresh, cwts.	Caviare or sturgeon roe, cwts.	Fish oil, gals.	Number.
21	30													600	1
9	35	20												360	2
90	10													300	3
34														425	4
35	15													700	5
24	25													750	6
	15													1500	7
11	20	100												600	8
	128			820							2358	*100		800	9
	110			467	15									1600	10
	78				15	200				20	3788				11
			55			300	34	50	30				2		12
224	466	120	55	1287	30	500	34	50	30	20	6116	100	2	7575	
4	2.00	5.00	10.00	10.00	2.00	15.00	15.00	10.00	5.00	2.00	1.50	5.00	2.66	30	
896	932	600	550	12870	60	7500	510	500	150	40	9219	500	532	2272	
														\$169,022	

*The Dulse is dried.

THE

RETURN showing the Quantities and Values of all Fish caught and landed in a Green

Number.	Fishing Districts.	Salmon, cwts.*	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake and Cusk, cwts.	Hake and Cusk, value.	Pollock, cwts.	Pollock, value.	Herring, cwts.
	<i>Kings County.</i>		\$		\$		\$		\$		\$		\$	
1	Morden and vicinity.....	90	1620	10	120	170	340	10	15	20	30	1205	1807	196
2	Victoria Harbour and Ogilvie Wharf .	20	360	....	....	60	120	20	30	20	30	175	262	150
3	Harbourville.	63	1134	....	....	55	110	10	15	....	....	320	480	80
4	Canada Creek.....	72	1296	45	540	450	900	80	120	60	90	622	933	2019
5	Chipman's Brook and Hunting Point..	81	1458	17	204	235	470	25	37	24	36	315	472	629
6	Hall's Harbour.....	70	1260	35	420	795	1590	875	1312	235	352	735	1102	1516
7	Race Point and Sheffield Vault.....	75	1350	....	....	85	170	40	60	5	7	220	330	578
8	Baxter's Harbour.....	35	630	8	96	1010	2020	135	202	35	52	475	712	660
9	Whalen Beach and Well's Cove	25	450	....	....	30	60	....	....	30	45	100	150	305
10	Scott's Bay.....	69	1242	21	252	620	1242	305	457	25	37	225	337	915
11	Blomidon and Kingsport.....	15	270	....	....	10	20	5	7	....	....	50	75	120
12	Starr's Point to Wolfville	15	270	....	....	30	60	....	....	....	....	20	30	....
13	Upper Gaspereau and all inland waters	27	486	....	....	293	586	....	....	....	....	15	23	....
	Totals	657	11826	136	1632	3843	7686	1505	2257	454	681	4477	6713	7168

*Cwt. =100 lbs.

SESSIONAL PAPER No. 39

CATCH.

State in the County of **Kings**, Province of **Nova Scotia**, during the year 1913-14.

Herring, value.	Mackerel, cwts.	Mackerel, value.	Shad, cwts.	Shad, value.	Alewives, cwts.	Alewives, value.	Halibut, cwts.	Halibut, value.	Trout, cwts.	Trout, value.	Squid, brls.	Squid, value.	Clams, brls.	Clams, value.	Number.
\$		\$		\$		\$		\$		\$		\$		\$	
196	80	400	.....	.....	.....	.....	10	100	.....	.....	27	13	.....	.....	1
150	25	125	.....	.....	.....	.....	15	150	.....	.....	5	3	.....	.....	2
80	20	100	.....	.....	.....	.....	5	50	.....	.....	5	3	.....	.....	3
2019	70	350	10	100	.....	.....	.....	.....	.....	.....	40	20	.....	.....	4
629	26	130	1	10	.....	.....	.....	.....	.....	.....	8	4	.....	.....	5
1516	60	300	7	70	.....	.....	10	100	.....	.....	15	7	.....	.....	6
578	25	125	10	100	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
560	15	75	.....	.....	.....	.....	7	70	.....	.....	3	2	.....	.....	8
305	10	50	1	10	.....	.....	.....	.....	.....	.....	2	1	.....	.....	9
915	60	300	115	1150	.....	.....	1	10	.....	.....	5	2	.....	.....	10
120	.....	.....	55	550	.....	.....	.....	.....	.....	.....	.....	.....	75	225	11
.....	.....	.....	55	550	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
.....	.....	.....	.....	.....	6000	6000	.....	.....	30	300	.....	.....	.....	.....	13
7168	391	1955	254	2540	6000	6000	48	480	30	300	110	55	75	225	

THE CATCH MARKETING.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for the County of Kings, Province of Nova Scotia, during the year 1913-14.

Number.	Fishing Districts.	Salmon, used fresh and frozen, * cwt.	LoBSTERS, shipped in shell, cwt.	Cod, used fresh, cwt.	Cod, dried, t quintals.	Haddock, used fresh, cwt.	Haddock, dried, quintals.	Hake and Cusk, dried, quintals.	Pollock, used fresh, cwt.	Pollock, dried, quintals.	Herring, smoked, cwt.	Herring, pickled, bls.	Herring, used as bait, bls.	Mackerel, used fresh, cwt.	Mackerel, salted, bls.	Shad, used fresh, cwt.	Alwives, used fresh, cwt.	Alwives, salted, bls.	Halibut, used fresh, cwt.	Trout, used fresh, cwt.	Squid, used as bait, bls.	Clams and Quahags, used fresh, bls.	Number.
1	Morden and vicinity	90	10	57	10	10	10	7	401	40	38	80	10	27	1	10	10	10	15	15	5	5	1
2	Victoria Harbour and Ogilvie Wharf.	20	20	20	20	20	20	7	58	30	30	25	15	5	3	15	15	15	15	15	5	5	2
3	Harbourville	63	45	18	10	10	10	20	107	13	25	20	10	10	10	10	10	10	10	10	10	10	3
4	Canada Creek	72	17	150	20	20	20	20	207	145	709	145	10	10	10	10	10	10	10	10	10	10	4
5	Chipman's Brook & Hunting point	81	35	78	25	25	25	8	105	132	76	132	1	1	1	1	1	1	1	1	1	1	5
6	Hall's Harbour	70	75	265	585	105	105	78	245	315	138	315	7	7	7	7	7	7	7	7	7	7	6
7	Race point and Sheffield Vault	75	8	29	10	10	10	2	73	55	181	55	10	10	10	10	10	10	10	10	10	10	7
8	Baxter's Harbour	35	25	336	105	105	105	12	150	130	50	130	1	1	1	1	1	1	1	1	1	1	8
9	Whalen Beach and Wells Cove	25	21	10	10	10	10	10	33	25	100	25	1	1	1	1	1	1	1	1	1	1	9
10	Scotts Bay	69	15	206	185	10	10	8	75	56	340	56	115	115	115	115	115	115	115	115	115	115	10
11	Blomidon and Kingsport	15	15	4	10	10	10	10	17	19	...	19	55	55	55	55	55	55	55	55	55	55	11
12	Starr's point to Wolfville	15	27	10	10	10	10	10	7	...	...	...	55	55	55	55	55	55	55	55	55	55	12
13	Upper Gaspeau & all inland waters	27	260	11	...	...	...	...	15	...	...	...	...	...	...	...	2040	1318	...	30	...	...	13
	Totals	657	136	1194	980	175	152	40	1478	1594	960	523	301	30	254	2040	1318	48	30	110	75	75	
	Rates	18.00	15.00	2.00	2.00	4.00	4.50	1.75	4.50	4.00	4.50	2.00	6.00	6.00	10.00	1.50	3.00	10.00	10.00	10.00	50	3.00	
	Value	11826	2040	7164	1960	700	684	70	6651	6376	4320	1046	2408	180	2540	3060	3954	480	300	5	225		
	Total value																						56,559

*Cwt. — 100 lbs. Quintal = 112 lbs.

SESSIONAL PAPER No. 39

RECAPITULATION

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., State, for District No. 3, Province of Nova Scotia, during the year 1913-14.

Kinds of Fish.	Caught and landed in a Green State.		Marketed.		Total Marketed value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	\$
Salmon.....cwts.	1,360	25,289	1,360	26,458	26,458
" used fresh....."					
Lobsters....."	157,577	1,454,493			
" canned.....cases.			35,194	739,074	
" shipped in shell.....cwts.			69,597	1,141,037	1,880,111
Cod....."	709,133	1,323,257			
" used fresh....."			21,874	51,317	
" green-salted....."			23,182	75,334	
" smoked....."			1,128	5,640	
" dried....."			211,852	1,272,535	1,404,826
Hadlock....."	221,062	505,672			
" used fresh....."			61,572	157,815	
" smoked (finnans)....."			21,541	150,787	
" canned.....cases.			6,947	41,662	
" dried.....cwts.			35,093	161,779	512,043
Hake and Cusk....."	203,838	187,342			
" used fresh....."			11,618	26,820	
" dried....."			63,974	281,199	308,019
Pollock....."	54,073	53,313			
" used fresh....."			2,854	3,418	
" dried....."			17,056	75,187	78,605
Herring....."	220,361	202,050			
" used fresh....."			32,209	32,440	
" canned.....cases.			3,604	12,614	
" smoked.....cwts.			8,101	32,924	
" pickled.....brls.			25,421	91,337	
" used as bait....."			47,169	92,880	262,195
Mackerel.....cwts.	66,610	297,105			
" used fresh....."			36,119	231,262	
" canned.....cases.			443	3,544	
" salted.....brls.			10,121	130,397	365,203
Shad.....cwts.	391	3,588			
" used fresh....."			391		3,910
Alewives....."	15,004	14,580			
" used fresh....."			5,376	7,406	
" salted.....brls.			3,207	9,988	17,394
Halibut, used fresh.....cwts.	8,759	58,836	8,759		65,522
Flounders....."	133	266	133		266
Smelts....."	1,380	16,647	1,380		18,791
Trout....."	635	8,970	635		8,985
Albacore....."	788	2,512	788		3,145

RECAPITULATION

Of the Quantities and Value of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., State, for **District No. 3**, Province of **Nova Scotia**, during the year 1913-14.

Kinds of Fish.	Caught and landed in a Green State.		Marketed.		Total Marketed value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	
Sturgeon.. .. .	cwts.	34	510	34	510
Bass.. .. .	"	63	510	63	565
Eels	"	607	3,364	607	3,418
Tom Cod.. .. .	"	152	112	152	139
Sworfish.. .. .	"	3,471	16,799	3,471	20,915
Mixed Fish.. .. .	"	4,396	2,198	4,396	3,163
Squid.. .. .	brls.	285	752	285	752
Oysters.. .. .	"	1,345	4,035	1,345	4,035
Clams.. .. .	"	20,789	34,139		
" used fresh	"		20,789		35,601
Dulse, Cockles and other shell fish.. .. .	cwts.	1,379	2,646	597	2,673
Tongue and Sounds.. .. .	"		870		20,010
Caviare (Sturgeon roe).. .. .	"		2		532
Hair Seal Skins.. .. .	No.		80		80
Fertilizer, etc.. .. .	Tons.		1,229		9,147
Glue Material	"				7,478
Fish Oil.. .. .	galls.		93,406		27,330
Totals			4,218,985		5,091,821

SESSIONAL PAPER No. 39

RECAPITULATION

Of the Number of Fishermen, etc., and of the Number and Value of Fishing Vessels, Boats, Nets, etc., in District No. 3, Province of Nova Scotia, for the year 1913-14.

	Number.	Value.
		\$
Steam Fishing Vessels (tonnage 377).....	14	58,000
Sailing and Gasoline Vessels... ..	426	1,455,699
Boats (sail)... ..	3,019	90,262
" (gasoline).....	2,027	502,490
Carrying Smacks.....	44	37,900
Gill Nets, Seines, Trap and Smelt Nets, etc	15,752	202,172
Weirs.....	89	22,375
Trawls	8,936	92,526
Hand Lines.....	12,398	11,101
Lobster Traps.....	328,472	328,472
" Canneries.....	68	95,700
Fish	2	2,800
Freezers and Ice-houses.....	152	182,925
Smoke and Fish-houses.....	2,225	252,129
Fishing Piers and Wharves.....	721	732,300
Totals.....		4,066,791

Number of men employed on Vessels	5,160
" " Boats.....	6,740
" " Carrying Smacks.....	104
" persons employed in Fish-houses, Freezers, Canneries, etc.	2,326
Total.....	14,330

RECAPITULATION

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., State, for the whole Province of Nova Scotia, during the year 1913-14.

Kinds of Fish.	Caught and landed in a Green State.		Marketed.		Total marketed value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	\$
Salmon..... cwts.	9,401	110,624			
" used fresh..... "			9,341	138,772	
" canned..... cases.			24	183	
" smoked..... cwts.			24	480	
					139,435
Lobsters..... "	302,261	2,226,908			
" canned.... cases.			87,449	1,679,664	
" shipped in shell... cwts.			84,063	1,280,393	
					2,960,057
Cod..... "	970,870	1,727,188			
" used fresh..... "			58,345	112,055	
" green—salted ... "			60,677	202,070	
" smoked..... "			1,128	5,640	
" dried..... "			263,040	1,571,486	
					1,891,251
Haddock... "	387,386	748,885			
" used fresh..... "			139,289	320,837	
" smoked (finnans)..... "			26,833	167,473	
" canned..... cases.			6,947	41,662	
" dried..... cwts.			61,028	278,910	
					808,882
Hake & Cusk..... "	249,387	228,461			
" used fresh..... "			16,755	32,084	
" dried..... "			77,476	334,435	
					366,519
Pollock..... "	79,232	76,805			
" used fresh..... "			3,649	4,576	
" dried..... "			25,164	106,774	
					111,350
Herring..... "	386,473	356,856			
" used fresh..... "			52,549	60,651	
" canned..... cases.			3,604	12,614	
" smoked..... cwts.			13,611	49,454	
" pickled..... brls.			49,240	198,727	
" used as bait..... "			78,149	149,246	
" used as fertilizer ... "			596	298	
					470,990
Mackerel ... cwts.	162,607	700,275			
" used fresh..... "			87,229	581,103	
" canned... cases.			443	3,544	
" salted..... brls.			25,094	316,616	
					901,263
Shad..... cwts.	995	7,264			
" used fresh..... "			943	9,338	
" salted..... brls.			19	285	
					9,623
Alwives..... cwts.	19,601	20,626			
" used fresh..... "			8,363	12,778	
" salted..... brls.			3,743	11,807	
					24,585

SESSIONAL PAPER No. 39

RECAPITULATION.

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., State, for the whole Province of Nova Scotia, during the year 1913-14.

Kinds of Fish.		Caught and landed in a Green State.		Marketed.		Total marketed value.
		Quantity.	Value.	Quantity.	Value.	
			\$		\$	\$
Halibut, used fresh.....	cwts.	31,521	210,254	31,521		291,874
Flounders.....	"	1,174	1,712	1,174		5,267
Smelts.....	"	4,043	31,278	4,043		37,510
Trout.....	"	1,005	11,626	1,005		12,685
Soles.....	"	216	324	216		1,080
Albacore.....	"	2,954	5,252	2,954		11,809
Sturgeon.....	"	34	510	34		510
Bass.....	"	198	1,079	198		1,915
Eels.....	"	1,111	5,227	1,111		5,665
Tom Cod.....	"	300	425	300		518
Swordfish.....	"	13,322	46,658	13,322		61,140
Mixed Fish.....	"	5,566	2,798	5,566		4,903
Squid.....	brls.	2,167	6,881	2,167		9,067
Oysters.....	"	3,397	12,283	3,397		14,064
Clams.....	"	28,088	42,088			
" used fresh.....				27,913	49,941	
" canned.....	cases.			175	788	50,729
Dulse, Cockles & other shell fish.....	cwts.	1,379	2,646	597		2,673
Tongues and Sounds.....	"			2,874		28,026
Caviare (Sturgeon roe).....	"			2		532
Hair Seal Skins.....	"			168		184
Fertilizer, etc.....	tons.			1,229		9,147
Glue material.....	"					7,478
Fish Oil.....	galls.			172,941		56,895
Totals.....			6,584,933			8,297,626

RECAPITULATION.

Of the Number of Fishermen, etc., and of the Number and Value of Fishing Vessels, Boats, Nets, etc., in the whole Province of Nova Scotia, for the year 1913-14.

	Number.	Value.
		\$
Steam Fishing Vessels (tonnage, 377).....	14	58,000
Sailing and Gasoline Vessels.....	667	1,633,499
Boats (sail).....	9,427	315,797
" (gasoline).....	3,481	785,374
Carrying Smacks.....	201	110,415
Gill Nets, Seines, Trap and Smelt Nets, etc.....	61,150	687,189
Weirs.....	108	23,505
Trawls.....	16,522	165,190
Hand Lines.....	29,375	23,380
Lobster Traps.....	787,387	726,879
" Canneries.....	231	288,755
Fish ".....	2	2,800
Freezers and Ice-houses.....	307	640,480
Smoke and Fish-houses.....	4,800	540,110
Fishing Piers and Wharves.....	1,760	1,108,837
Total		7,110,210

Number of men employed on Vessels.....	6,302
" " " Boats	15,648
" " " Carrying Smacks.....	362
" persons employed in Fish-houses, Freezers, Canneries, &c.	6,567
Total.	28,879

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APPENDIX No. 2.

NEW BRUNSWICK.

District No. 1.—Comprising the counties of Charlotte and St. John. Inspector, John F. Calder, Campobello.

District No. 2.—Comprising the counties of Albert, Westmorland, Kent, Northumberland, Gloucester and Restigouche. Inspector, D. Morrison, Newcastle.

District No. 3.—Comprising the counties of Kings, Queens, Sunbury, York, Carleton, Victoria and Madawaska. Inspector, H. E. Harrison, Fredericton.

REPORT ON THE FISHERIES OF DISTRICT No. 1.

To the Superintendent of Fisheries,
Ottawa.

SIR,—I have the honour to present herewith my eighth annual report on the fisheries of District No. 1, province of New Brunswick, together with the statistics of the different sub-divisions.

The value of the catch for this year is \$1,539,629, against \$1,612,599 for last year, a decrease of \$72,970. As a whole this has been a very unsatisfactory year for the fisheries of this district, yet at the same time some districts have done exceptionally well, especially the island of Grand Manan. All branches were prosperous there, more particularly the smoked herring industry. There was a fine run of medium herring in the weirs: large quantities were smoked and sold for good prices.

HERRING.

There was a slight increase in the quantity of herring caught as compared with the previous year, 197,297 cwt. being taken against 189,200 cwts. for 1912-13. There was, however, a large increase in the market value of cured herring, the figures being \$196,792 for 1912-13 and \$288,015 for this year. The increase in value, of course, is due to better prices being paid for the herring products.

SARDINES.

One hundred and forty-one thousand three hundred and eighty-four barrels of sardines were taken, against 280,282 barrels during the previous season. This shows an alarming falling off in the yield of this fishery, which is giving the fishermen much concern. The sardine fishery is the most extensive and profitable one in the district. In the past we have experienced a few poor seasons in this branch, but they have invariably been due to poor market conditions, which in turn were brought about by an over-supply of the raw material and the consequent over-stocking of the markets with the canned products. This year, however, we are confronted with a failure of the fishery. Good market conditions prevailed, a ready sale at remarkably good prices

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always obtained, and every available fish was taken from the weirs, yet at the same time there was a falling off in the catch of more than 50 per cent. On the other hand owing to the high prices paid at the weirs, the value of the catch was nearly as much as during the past year. But such a state of affairs is not satisfying. It is much better to have a plentiful supply at fair prices than to have a poor catch at very high prices. When fish are plentiful they are most generally to be found all along the shores, and all of the fishermen get a share, but when they are scarce they are to be found in a few localities, and many places do not get any. Then again with high prices prevailing the daily expenditures of the trawl and line fishermen for bait is almost prohibitive. Since last fall sardines have been selling at the weirs at prices ranging from \$15 to \$35 per hogshead of five barrels; therefore the fishermen have to pay from \$3 to \$7 per barrel for bait. Of course, I do not know if there is any way by which your Department could come to the relief of the line fishermen in this matter, for the weirmen have the right to charge the market prices for their catches. But if this scarcity is to continue, the whole matter of the sardine fishery must receive very serious consideration.

SALMON.

There is an appreciable increase to be reported in the salmon catch. Last year's catch was 3,295 cwts., while that of this year was 3,998 cwts. The prosperous condition of this fishery in this district is no doubt in a great measure due to the splendid results attending the operations of the salmon hatcheries. I had the pleasure during the past spring to attend a meeting of the Corporations Committee of the Provincial Legislature, along with a large delegation of fishermen from St. John, to enter a protest against a charter being given a hydro-electric company which would permit them to build a dam across the St. John river, at the Meductic rapids. Our objection to this dam was that it would prevent the salmon from reaching the spawning beds on the Tobique river, to which nearly all salmon ascending the St. John go. I am pleased to be able to state that the Legislature refused to grant the charter.

LOBSTERS.

There is not much change to report in the condition of the lobster fishery. A slight falling off in the catch is to be noticed—12,410 cwts. in 1912-13 and 11,751 cwts. this season. The shortage in the catch is altogether due to the extremely severe weather conditions obtaining during last winter. It is now a matter of record that it was the worst winter in this section that there had been for a quarter of a century at least. For weeks at a time the fishermen were unable to reach the traps even. Some illegal fishing was done during the close season, and no doubt some small lobsters were sold during the open season. I am in hopes that with the *Phalarope* and *Sea Gull* in commission this year that very little illegality of this kind will occur.

HAKE.

A large decrease in the catch of hake has to be reported. It is regrettable that the supply of these fish is apparently rapidly diminishing. It is in no wise to be attributed to over-fishing on local grounds, but rather to the extensive trawling which is carried on all the year round in the mouth of the bay of Fundy by American and Nova Scotia schooners.

There is little to note in the other branches.

In conclusion I desire to again express my appreciation of the courteous treatment from both yourself and your officials during the past year.

I am, sir, your obedient servant,

J. F. CALDER,
Inspector of Fisheries.

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REPORT ON THE FISHERIES OF DISTRICT No. 2.

To the Superintendent of Fisheries,
Ottawa.

SIR,—I have the honour to submit my first annual report on the fisheries of District No. 2 in the province of New Brunswick for the fiscal year 1913-14, together with a statistical statement of the quantities and value of fish taken, the material used, and the number of persons engaged in the fisheries in my district.

These returns show the value of fish to be \$2,694,640, against \$2,611,333 for the preceding year, or an increase in value of \$83,307, as compared with last year, notwithstanding the large falling off in shellfish.

SALMON.

The catch of salmon was good; although some of the districts show little increase, the returns for the whole district show a marked improvement, being 3,086 cwts. greater than 1912-13. The fall run was exceptionally good on the Miramichi river and with increased protection on the natural spawning beds and the assistance given through the hatcheries, there is every reason to believe this important industry will make steady progress.

LOBSTERS.

The returns show a falling off of 3,719 cases and an increased shipment in shell of 3,957 cwts. The market value of this shellfish, however, notwithstanding a falling off in quantity, shows an increase amounting to \$30,320, and with the new stringent regulations recommended by the Shellfish Commissioners, it is to be hoped that this important industry will be revived.

COD.

The catch of this fish was about the same as last year.

HERRING.

This fishery shows an increase in the catch of 105,345 cwts.; while the value is \$520,895, or \$94,513 greater than that for the preceding year.

MACKEREL.

There was a large increase in the catch of mackerel; the marketed value of the catch this year is \$168,166, against \$60,100 last year.

SMELTS.

There was a falling off in the catch of smelts of about 19,795 cwts. The reason for such a large decrease is found in the fact that very unfavourable weather conditions prevailed during the early part of the season, and in some districts the fishermen were unable to set their nets until late in January. Large nets were prohibited, and the close season was rigidly enforced.

OYSTERS.

There was an increase of 1,561 barrels of oysters, with an increased value of \$9,306.

CLAMS.

The increased value of clams was \$23,894.

I am, sir, your obedient servant,

D. MORRISON,
Inspector of Fisheries.

REPORT ON THE FISHERIES OF DISTRICT No. 3 (INLAND).

To the Superintendent of Fisheries,
Ottawa.

SIR,—I have the honour to submit my twelfth annual report on the inland fisheries of New Brunswick for the fiscal year 1913-14, together with a statement of the quantity and value of fish taken and the materials used therefor.

I am very pleased to be able to state that there are some encouraging particulars to be mentioned later in this report, and while there has been a falling off in the catch of only one kind of fish to any appreciable extent, that of pickerel, my overseers state that this fishery was not prosecuted to the extent that it was the previous year.

I have readjusted prices in some cases, which has affected the net financial showing, but which I believe to be nearer the true value to the fishermen.

A comparative statement of the values of fish and materials for the years 1912-13 and 1913-14 shows a slight increase in both:—

Years.	Value of Fish.	Value of Materials.
	\$	\$
1912-13	40,132	39,595
1913-14	41,948	45,213

SALMON.

I wish to make particular reference to the increased catch of salmon over the previous year, a most gratifying result, considering the fact that few additional licenses were issued.

The conditions in 1912-13 were not very favourable on account of heavy rises of water throughout the summer. This did not occur to so great an extent in 1913-14, and no doubt partly accounts for the satisfactory catch; but I am sure that the continual good work of the Department in placing salmon fry in the different tributaries of the St. John river, and the protection afforded the fish while ascending to their spawning grounds, is having its effect, and if a staff of good officers, not necessarily a great number, is allowed me, I feel that this fishery, barring unforeseen causes, can be improved from year to year, and with well-devised regulations such as we now have, will not be depleted by legitimate fishing.

For some reason few salmon were taken with the fly in the different pools in the St. John river this season, but for short periods at different times this sport was excellent on the Tobique river, and a fairly satisfactory season enjoyed by the members of the Tobique Salmon Club, the average weight of both salmon and grilse being good.

SHAD.

The officers in the counties of Kings, Queens and York report the fishermen as saying that shad were more plentiful this year than they were last; however, the return does not bear out the claim, which goes to show that it is difficult to get strictly reliable data. While I do not advocate it, and believe it is not wise to unnecessarily

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hedge about the fisheries with restrictions, I think, because of the great value of shad as a food fish, it might be well for the Department to consider the advisability of licensing the shad fishery as is the salmon fishery and others.

Overseer Worden of Queens county (north) has suggested, and requested me to ask the Department to restrict the number of nets that one person may set.

His reason for this is that one person will sometimes set several shad nets and, being unable to properly attend them, the meshed fish, or a great number of them, are destroyed by the fast increasing eels.

This restriction need not necessarily apply to the St. John river, because drift nets are used and it requires two men per net, but in the Washademoak lake and river the shad nets are set stationary, so that one person may, and does set and try to attend several, and is thus the cause of capturing much food for eels, too valuable a fish for that purpose.

I very heartily place the suggestion before the Department.

PICKEREL.

This fishery shows a very largely decreased catch compared with last year. My officers state that it was not followed up as in 1912-13, and I think it quite probable that it may have been somewhat overdone, that is, many of the large fish caught, leaving younger and smaller fish in the water for this year, and I have been led to this belief by fishermen.

I have been requested to suggest the advisability of making a close season for pickerel, as at present great quantities are taken in the summer and because of the time required to get them to the United States market, where most of them are sent, a large percentage is lost because of the warm weather, therefore it might be well to make the months of July, August and half of September a close season.

ALEWIVES.

A much smaller quantity of these fish were taken; nevertheless a large amount was marketed and financial returns were satisfactory.

BASS.

A most remarkable occurrence in connection with bass is the wonderful increase in the amount caught over that of last year and for many years previous.

A number of years ago, more than twenty, an old fisherman has said there was an immense run of these fish in the Belle Isle bay, Kings county, but for no known reason, unless because of over-fishing, they disappeared in one season and the catch has been almost nil since, not only in the Belle Isle water but the whole St. John river and tributaries.

Considering that the Belle Isle bay is only seven miles in length and about one-half mile wide, the run of bass must have been exceedingly good to catch 140 cwts., while only 20 cwts. were taken last season.

As there is a great demand for these fish, and being caught in the season when not a pound need be lost through heat, a snug sum of money was distributed amongst the farmers in that section.

I sincerely hope this will be an annual experience with these people, and think it would be interesting if some of your experts would tell us why bass act as they appear to in these waters.

EELS.

I have not a good word to speak for these "mud snakes." The return shows a larger quantity taken than in 1912-13, and fishermen state that they are increasing fast and no kind of fish that is netted is free from their attacks, often leaving but

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the skin of a salmon or shad for the fishermen, and even attacking large sturgeon and destroying much valuable roe of these fish.

Up to the present it has been impossible to catch eels in the winter, it being generally presumed that they bury themselves in the mud in cold weather, and the uncertainty of getting them into the United States market in the warm weather, seem to be more than enough protection for them.

I would respectfully suggest this: a plan to successfully catch eels in winter as a fit subject for the experts of the Department to consider.

I have much pleasure in reporting that, through the generous act of the Honourable the Minister, two modern fish-passes were placed in dams in the Salmon river, Victoria county, last season, and it is hoped that salmon will again ascend this small stream in considerable numbers.

A pass was also placed in a dam at the outlet of the Becaguimac stream, Carleton county, last summer by the owners.

On account of the dam at Marysville, near the mouth of the Nashwaak river, being carried away by ice last spring, a free passage was left for fish to ascend that stream, and it is hoped that, by restocking with fry, salmon will again become plentiful in those waters. I am unable to learn of any having passed up the Nashwaak river in 1913.

Trout fishing throughout the season of 1913 was reported to be the best for many years. This sport affords a deal of pleasure to hundreds of natives, and is becoming more attractive to foreign fishermen each season, and many United States people are building cottages beside our lakes and streams.

I am grateful for courteous treatment from the officials of the Department, and trust that my shortcomings have not been of a serious nature.

I am, sir, your obedient servant,

H. E. HARRISON,
Inspector of Fisheries.

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RETURN showing the Number of Fishermen, etc., the Number and Value of Vessels and Boats, and the Quantity and Value of all Fishing Gear, etc., used in the Fishing Industry in the Counties of **Charlotte** and **St. John**, Province of **New Brunswick**, during the year 1913-14.

Number.	Vessels, Boats and Carrying Snacks.										Fishing Gear.								
	Sailing and Gasoline Vessels.					Boats.					Carrying Snacks.		Gill Nets, Seines, Trap and Smelt Nets, etc.		Weirs.		Trawls.		
	20 to 40 tons, number.	10 to 20 tons, number.	Value, \$.	Men.	Sail.	Value.	(Gasoline).	Value.	Men.	Number.	Value.	Men.	Number.	Value.	Number.	Value.	Number.	Value.	
<i>Charlotte County.</i>																			
1			1	2000	3	100	1500	27	7350	74	5	7200	15	85	4980	30	20000	61	2000
2			9	6100	26	142	2810	70	17400	181	14	22500	31	264	8650	57	30000	70	3010
3			4	1200	14	258	6840	30	5850	212	1	1000	2	284	5436	57	25785	61	9000
4		3	9	67500	23	215	8600	37	11100	315	1	1000	2	407	11732	90	72000	6	1200
5		1	55	33800	135	213	10650	182	54600	325				880	21100	56	84000	95	1860
6		3	5	4500	59	130	2400	111	33000	280				115	3240	23	9000	90	2000
7			1	1500	4	283	6100	150	45000	420	18	10000	36	340	7000	81	12000	15	3000
			7	84116600	269	1341	38900	607	173800	1807	39	41700	80	2375	62138	397	302780	341	8390
<i>St. John County.</i>																			
1			4	2400	18	220	7920	45	15750	235				420	14400	26	17000		
2		1	3	2400	6	20	400	25	6250	50				25	2500	5	5000	25	1000
3			4	3000	8	100	2000	110	33000	220				1100	13520	30	15000	30	750
4			3	1400		12	145	12	1800	12	1	500	2						
5						17	355	11	1575	20				11	165				
		1	14	9200	32	369	10820	203	68375	537	1	500	2	1556	30585	61	37000	55	1750

RETURN showing the Number of Fishermen, etc., the Number and Value of Vessels and Boats, and the Quantity and Value of all Fishing Gear, etc., used in the Fishing Industry in the Counties of Charlotte and St. John, Province of New Brunswick, during the year 1913-14.—*Concluded.*

Number.	Fishing Gear.				Canneries.				Other Material.				Persons Employed in Canneries, Freezers and Fish Houses.							
	Hand Lines.		Lobster Traps.		Lobster Canneries.		Sardine Canneries.		Clam Canneries.		Freezers and Ice Houses.			Smoke and Fish Houses.		Fishing Piers and Wharves.		Pile Drivers and Scows.		
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		Number.	Value.	Number.	Value.	Number.	Value.	
Fishing Districts.																				
Charlotte County.																				
1	...	...	2000	2000	...	...	...	...	3	12000	...	...	...	...	5	6000	12	1200	100
2	74	36	2410	2410	...	...	3	90000	3	4500	5	2800	33	10620	26	20100	30	1000	324
3	269	135	794	794	...	...	...	...	...	...	...	...	26	1720	16	670	39	1850	2
4	60	18	150	150	1	257100	1	2000	...	3	8430	2	2700	1	1000	250	4500	20
5	1010	1010	14900	14900	*3	6000	...	...	...	...	1	500	434	172800	96	90500	40	4000	400
6	500	250	1200	1200	*1	2500	...	...	...	...	...	...	90	6000	46	3400	30	1000	22
7	400	400	1490	1490	...	...	2	15000	2	4000	...	...	75	2800	60	4000	100	6000	100
Totals.				22344	22944	4	8500	6	362100	9	22500	9	11730	660	196640	250	125670	501	19550	968
St. John County.																				
1	...	...	800	800	...	...	...	...	...	...	11	95000	80	65000	54	85000	...	...	45
2	...	...	800	800	...	...	...	...	...	...	...	...	4	600	31	150	...	...	5
3	...	...	3000	3000	...	...	...	...	...	...	1	2500	36	3600	14	1100	...	...	16
4	870	870
5	15	15	1107	1107
Totals.				6577	6577	12	97500	120	69200	71	86550	66

* Not operated.

THE CATCH.

Return showing the Quantities and Values of all Fish caught and landed in a Green State in the Counties of Charlotte and St John, Province of New Brunswick, during the year 1913-14—*Concluded.*

Number.	Fishing Districts.	Sardines, brls.	Sardines, value.	Halibut, cwt.	Halibut, value.	Flounders, cwt.	Flounders, value.	Smelts, cwt.	Smelts, value.	Fels, cwt.	Fels, value.	Squid, brls.	Squid, value.	Scallops, brls.	Scallops, value.	Clams, brls.	Clams, value.	Dulse, Crabs, Cockles and other shell fish, cwt.	Dulse, Crabs, Cockles and other shell fish, value.	Number.
<i>Charlotte County.</i>																				
1	Lepreau to Red Head.....	11750	23500														13850	13850		1
2	Red Head to L'Etang.....	12000	24000	20	200	36	54	30	300					1150	1725		1990	1990		2
3	L'Etang to St. George.....	30232	60464			144	216	14	140			5	20				1875	1875	846	3
4	St. George to St. Stephen.....	24077	48154			500	750	14	140								5847	5847	680	4
5	Grand Manan.....	18645	37290	123	1230									160	240		1400	1400	3750	5
6	Campo Bello.....	1730	3460	25	250							25	100							6
7	West Isles.....	24000	48000			300	450										1117	1117		7
	Totals.....	122434	244868	168	1680	980	1470	58	580			30	120	1310	1965	26079	26079	5276	7565	
<i>St. John County.</i>																				
1	St. John Harbour.....	7000	14000							80	640									1
2	Lepreau to Chance Harbour...	3400	6800																	3
3	Chance Harbour to St. John.....	8550	17100																	3
4	Mispec to Tynemouth Creek.....																			4
5	Tynemouth to Albert County.....																			5
	Totals.....	18950	37900							80	640									

* Cwt. = 100 lbs.

THE CATCH MARKETED.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., State, for Counties of Charlotte and St. John, Province of New Brunswick, during the year 1913-1914.

Numbers.	Fishing Districts.	Salmon, used fresh and frozen, cwt.	Loabsters, shipped in shell, cwt.	Cod, used fresh, cwt.	Cod, shipped green-salted, cwt.	Cod, dried, quin-tals.	Halibut, used fresh, cwt.	Halibut, smoked, cwt.	Halibut, dried, quin-tals.	Hake and Cusk, used fresh, cwt.	Hake and Cusk, dried, quin-tals.	Pollock, used fresh, cwt.	Pollock, dried, quin-tals.	Herring, used fresh, cwt.	Herring, smoked, cwt.	Herring, canned, cases.	Herring, pickled, bbl.	Herring, used as bait.	Numbers.
<i>Charlotte County.</i>																			
1	Lepreau to Red Head		626	207		411	130	700	390		9666	60	234		900	1332	273	1430	1
2	Red Head to L'Etang		884	1250		80	800			1300		3800	180		2046				2
3	L'Etang to St. George		268			18	920	30			156	227	24		52595		310	10856	3
4	St. George to St. Stephen		47		30	2722	44		86		5176	12160	4440	47650	400			265	4
5	Grand Manan		7070	748	594	335	4500				5266	21500	3992					3000	5
6	Campo Bel'o		413	3495			148			300			2166						6
7	West Isles		500	150															7
	Totals		9808	5850	624	3566	6542	730	476	1600	20264	37747	11036	47650	55941	1332	588	15551	
	Rates	%	15	2	4	6	2.50	5.00	3.50	.75	3.50	1	3.50	1	3.50	5	5	2	
	Values	\$	147120	11700	2496	21396	16355	3650	1666	1200	70924	37747	38626	47650	195793	6660	2940	31162	
<i>St. John County.</i>																			
1	St. John Harbour	1250	458											1100					1
2	Lepreau to Chance Harbour	648	479		180						566								2
3	Chance Harbour to St. John	2100	378	680			20			180	300			2400			20		3
4	Mispec to Tynemouth-Creek		301											20					4
5	Tynemouth to Albert County		327																5
	Totals	3998	1943	680	180		20			180	866			3520			20		
	Rates	%	15	2	4		2.50			.75	3.50			1			5		
	Values	\$	59970	29145	720		30			135	3031			3520			100		

* Cwts. = 100 lbs. † Quintal = 112 lbs

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RECAPITULATION

OF the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., State, for District No. 1, Province of New Brunswick, during the year 1913-14.

Kinds of Fish.	Caught and landed in a Green State.		Marketed.		Total Marketed Value.
	Quantity	Value.	Quantity.	Value.	
		\$		\$	\$
Salmon..... cwts.	3,998	59,970			
" used fresh..... "			3,998		59,970
Lobsters..... "	11,751	176,265	11,751		176,265
shipped in shell.....					
Cod.....	18,832	37,664			
" used fresh.....			6,530	13,060	
" green, salted..... "			804	3,216	
" dried.....			3,566	21,396	37,672
Haddock..... "	9,432	23,580			
" used fresh..... "			6,562	16,385	
" smoked (finnans).....			730	3,650	
" dried.....			176	1,666	21,701
Hake.....	65,180	48,885			
" used fresh.....			1,780	1,335	
" dried.....			21,130	73,955	75,290
Pollock.....	70,862	70,862			
" used fresh.....			37,747	37,747	
" dried.....			11,036	38,626	76,373
Herring.....	197,297	197,297			
" used fres..... "			51,170	51,170	
" canned..... cases			1,332	6,660	
" smoked..... cwts.			55,941	195,793	
" pickled..... brls.			608	3,040	
" used as bait..... "			15,551	31,102	
" used as fertilizer..... "			250	250	288,015
Mackerel..... cwts.	910	3,640			
" used fresh..... "			250	1,000	
" salted..... brls.			224	2,640	3,640
Shad..... cwts.	1,450	7,250			
" used fresh..... "			1,345	6,725	
" salted..... brls.			35	525	7,250
Alewives..... cwts.	27,526	27,526			
" used fresh.....			5,026	5,026	
" salted..... brls.			7,500	37,500	42,526
Sardines..... "	141,384	282,768			
" canned..... cases.			85,700	428,500	
" sold fresh or salted..... brls.			124,084	248,168	676,668
Halibut, used fresh.... cwts.	168	1,680	168		1,680
Flounders.....	980	1,470	980		1,470

RECAPITULATION

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., State, for District No. 1, Province of New Brunswick, during the year 1913-14.—*Concluded.*

Kinds of Fish.	Caught and landed in a Green State.		Marketed.		Total Marketed Value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	\$
Smelt..... cwt.	58	580	58		580
Eels..... "	80	640	80		640
Squid..... brl.	30	120	30		120
Clams and Scallops	27,389	28,044			
" used fresh..... "			16,556	17,211	
" canned..... cases.			10,830	51,984	69,195
Dulse, Cockles & other shell fish..... cwt.	5,276	7,565	2,776		11,104
Tongues and Sounds			420		16,800
Fish Oil..... gallons.			17,200		5,169
Totals		975,806			1,572,119

RECAPITULATION

Of the Number of Fishermen, etc., and of the Number and Value of Fishing Vessels, Boats, Nets, etc., in District No. 1, Province of New Brunswick, for the year 1913-14.

	Number.	Value.
		\$
Sailing and Gasoline Vessels.....	106	125,800
Boats (sail).....	1,710	49,720
" (gasoline).....	810	232,175
Carrying Smacks.....	40	42,200
Gill Nets, Seines, Trap and Smelt Nets, etc.....	3,931	92,723
Weirs	458	339,785
Trawls	396	10,146
Hand Lines.....	2,328	1,864
Lobster Traps.....	29,521	29,521
" Canneries.....	4	8,500
Sardine	6	362,100
Clam	9	22,500
Freezers and Ice-houses.....	21	109,230
Smoke and Fish-houses.....	780	265,840
Fishing Piers and Wharves.....	321	212,220
Pile Drivers and Scows.....	501	19,550
Totals.....		1,923,874

Number of men employed on Vessels.....	301
" " Boats	2,344
" " Carrying Smacks.....	88
" persons employed in Fish-houses, Freezers, Canneries, &c.....	1,034
Total.	3,767

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DISTRICT No. 2.

QUANTITY AND VALUE OF ALL FISHING GEAR, ETC., USED IN THE
FISHING INDUSTRY IN THE COUNTIES OF RESTIGOUCHE,
GLOUCESTER, NORTHUMBERLAND, KENT, WESTMORLAND,
AND ALBERT.

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West Coast													
11	Electricity, &c.	12	900	38	20	15,100	10	3,000	457	1	500	34%	34450
12	Provisioning, &c.	12	3000	12	25	20,000	11	5,000	1000	1	500	2,000	20750
13	Commissary, &c.				140	12,000	7	3,000	500			1154	12,500
	Total	12	9,000	50	1252	47,100	28	12,000	2000	1	500	7500	70410
West Coast—continued													
14	Schools, &c.				510	10,000	10	3,000	97	1	500	3070	2554
15	Wages, &c.				300	2000	200	40,000	1000	1	500	1210	12,500
16	Stores, &c.				500	1,000	50	10,000	1000	5	2500	716	500
17	Transportation				50	2,000			64			160	1,000
	Total				1000	40,000	250	5,000	2000	1	500	6700	47000
18	Grand Total				15	500	2	500	2			200	500
	Grand Total	11	864	134,000	1000	5416	2,96,300	331	89,000	22	7150	65106	61,650

RETURN showing the Number of Fishermen, &c., the Number and Value of Vessels and Boats, and the Quantity and Value of all Fishing Gear, &c., used in the Fishing Industry in the Counties of Restigouche, Gloucester, Northumberland, Kent, Westmorland and Albert, Province of New Brunswick, during the year 1913-14—Concluded.

Fishing Districts.	Fishing Gear.				Canneries.				Other Material.						Persons employed in Canneries, Freezers and Fish-Houses.	Number.
	Hand lines.		Lobster traps.		Lobster canneries.		Clam canneries.		Freezers and Ice-Houses.		Smoke and Fish-Houses.		Fishing Piers and Wharves.			
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		
<i>Restigouche County.</i>																
1 Above Dalhousie.	80	40	3800	3800	1	1500	3	16000	2	800	1	200	30	1	30	1
2 Below Dalhousie.	40	20	3800	3800	1	1500	5	8500	4	2100	1	200	50	1	50	2
Totals.	120	60	3800	3800	1	1500	8	24500	6	2900	1	200	80	1	80	
<i>Gloucester County.</i>																
3 Beresford, &c.	300	150	3250	3250	4	1150	9	3000	25	1500	2	1800	100	2	100	3
4 Bathurst, &c.	420	300	10050	10050	10	6000	9	3400	8	1200	2	1500	230	2	230	4
5 Caraquet &c., and New Bandon, &c.	2100	1500	2250	2250	6	6100	6	3600	31	8500	2	1500	475	2	475	5
6 Shippigan and Miscou Island.	1800	800	45900	45900	49	33800	8	5000	28	8400	2	2000	840	2	840	6
7 Pracadie, Inkerman, &c.	725	375	17300	17300	15	9250	10	15000	42	4600	2	1600	480	2	480	7
Totals	5345	3125	78750	78750	84	56300	42	30000	134	24200	8	6900	2125	8	2125	
<i>Northumberland County.</i>																
8 Chatham, Neguac, &c.	180	100	18500	18500	12	10950	22	14000	80	13000	2	800	345	2	345	8
9 Bay-du-Vin, &c.	50	30	10000	10000	4	4500	8	4200	2	800	2	700	260	2	260	9
10 Southwest and Northwest Miramichi River.	7	2000	28	700	48	48	10
Totals.	230	130	28500	28500	16	15450	37	20200	110	14500	653	653	

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<i>Kent County.</i>														
11	Richibucto, &c	220	90	27900	12	13500	1	400	21	18600	8	600	15	7500
12	Buctouche, &c	350	150	12760	16	10150			8	7000	5	500		315
13	Couagne, &c	300	150	8300	8	5100	1	800	3	1000				154
	Totals	870	390	48960	36	28750	2	1200	32	26600	13	1100	15	765
<i>Westmorland County.</i>														
14	Shediac, &c	90	40	23500	18	20500			10	12000	12	8000		415
15	Botford	100	40	39500	20	19550			35	8000	50	3500	14	954
16	Sackville and Westmorland	100	40						30	2600	100	8000	10	280
17	Dorchester										15	300	1	30
	Totals	290	120	63000	38	40050			75	22600	177	19800	25	1679
18	<i>West County.</i>			150							2	120		
	Grand totals	685	382	223160	175	142050	4	4200	194	123900	442	62620	49	5302

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State, in District No. 2, Province of New Brunswick, during the year 1913-14.

Number.	Fishing Districts.	Salmon, *cwts.	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake and Cusk, cwts.	Hake and Cusk, value.	Herring, cwts.	Herring, value.	Number.
	<i>Restigouche County.</i>		\$		\$		\$		\$		\$		\$	
1	Above Dalhousie.....	1125	16875			150	225							1
2	Below Dalhousie.....	1511	22665	680	3400	342	513			230	230	6403	3842	2
	Totals.....	2636	39540	680	3400	492	738			230	230	6403	3842	
	<i>Gloucester County.</i>													
3	Beresford, &c.....	1212	18180	524	2620	5826	8739					39445	23667	3
4	Bathurst, New Bandon, &c.....	803	12045	1425	7125	18132	28698					17180	10308	4
5	Caraquet, &c.....			535	2675	112900	169750	1500	1500	2000	2000	70000	42000	5
6	Shippigan and Miscou Island.....			10460	52300	57000	85500	1620	1620	2370	2370	45220	27132	6
7	Tracadie, Inkerman, &c.....	935	14025	5212	26060	20525	30787					34180	20708	7
	Totals.....	2950	44250	18156	90780	214382	323074	3120	3120	4370	4370	206025	123615	
	<i>Northumberland County.</i>													
8	Chatham, Neguac, &c..	1560	23400	4572	22860	1445	2168					17198	10319	8
9	Bay du Vin, &c.....	3475	52125	3550	17750	428	642					11359	6815	9
10	Southwest and Northwest Miramichi River, &c.....	525	7875											10
	Totals.....	5560	83400	8122	40610	1873	2810					28557	17134	
	<i>Kent County.</i>													
11	Richibucto, &c.....	1756	26340	8850	44250	1874	2811	70	70	3390	3390	42900	25740	11
12	Buctouche, &c.....			3620	18100	377	566					48625	29175	12
13	Cocagne, &c.....			3165	15825	20	75					55154	33092	13
	Totals.....	1756	26340	15635	78175	2301	3452	70	70	3390	3390	146679	89007	
	<i>Westmorland County.</i>													
14	Shediac, &c.....	100	1500	11450	57250	820	1230	50	50	3450	3450	177000	106200	14
15	Botsford.....			12293	61465							77800	46680	15
16	Sackville and Westmorland.....	15	225			44	66					28000	16800	16
17	Dorchester.....	60	900			190	285					195	117	17
	Totals.....	175	2625	23743	118715	1054	1581	50	50	3450	3450	282995	169797	
18	<i>Albert County.</i>	13	195	90	450	1500	2250					170	102	18
	Grand totals.....	13099	196350	66426	332130	221603	333905	3240	3240	11440	11440	670829	402497	

* Cwt. = 100 lbs

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THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State, in District No. 2, Province of New Brunswick, during the year 1913-14—Continued..

Number.	Fishing Districts.	Mackerel, cwts.	Mackerel, value.	Shad, cwts.	Shad, value.	Alewives, cwts.	Alewives, value.	Halibut, cwts.	Halibut, value.	Flounders, cwts.	Flounders, value.	Smelts, cwts.	Smelts, value.	Number.
	<i>Restigouche County.</i>		\$		\$		\$		\$		\$		\$	
1	Above Dalhousie.....									1000	1500	3951	23706	1
2	Below Dalhousie.....	3	21	10	80					100	150	740	4410	2
	Totals.....	3	21	10	80					1100	1650	4691	28146	
	<i>Gloucester County.</i>													
3	Beresford, &c.....									80	120	20	120	3
4	Bathurst & New Bandon,&c	65	455					135	1080	40	60	860	5160	4
5	Caraquet, &c.....	360	2520					200	1600			2000	12000	5
6	Shippigan & Miscou Island.	2064	14448					100	800			2520	15120	6
7	Tracadie, Inkerman, &c....	5432	38024			1975	1185	120	960			3995	23970	7
	Totals.....	7921	55447			1975	1185	555	4440	120	180	9995	56370	
	<i>Northumberland County.</i>													
8	Chatham, Neguac, &c.....	231	1967	201	1608	1180	708			1010	1515	15548	93288	8
9	Bay du Vin, &c.....	2476	17332	125	1000	684	410			350	525	12675	76050	9
10	Southwest and Northwest Miramichi River.....			122	976	1600	960					160	960	10
	Totals.....	2757	19299	448	3584	3464	2078			1360	2040	28383	170298	
	<i>Kent County.</i>													
11	Richibucto, &c.....	4284	29988	171	1368	2500	1500			201	302	4300	25800	11
12	Bactouche, &c.....	320	2240			500	300			140	210	3940	23640	12
13	Cocagne, &c.....	50	350			500	300			30	45	1890	11340	13
	Totals.....	4654	32578	171	1368	3500	2100			371	557	10130	60780	
	<i>Westmorland County.</i>													
14	Shediac, &c.....	1480	10360	8	64	600	360			310	465	4030	24180	14
15	Botsford.....					100	60					2780	16680	15
16	Sackville and Westmorland.			146	1168	600	360					650	3900	16
17	Dorchester.....			590	4720									17
	Totals.....	1480	10360	744	5952	1300	780			310	465	7460	44760	
18	Albert County.....	16	112	35	288					20	30			18
	Grand totals.....	16831	117817	1409	11272	10239	6143	555	4440	3281	4922	60059	360354	

* Cwt. = 100 lbs.

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State, in District No. 2, Province of New Brunswick, during the year 1913-14—Continued.

Number.	Fishing Districts.	Trout, cwts.	Trout, value.	Sturgeon, cwts.	Sturgeon, value.	Bass, cwts.	Bass, value.	Eels, cwts.	Eels, value.	Tom-cod, cwts.	Tom-cod, value.	Number.
	<i>Restigouche County.</i>		\$		\$		\$		\$		\$	
1	Above Dalhousie.	30	240	.....	.....	20	200	50	300	50	75	1
2	Below Dalhousie.	125	1000	.....	.....	10	100	40	240	24	36	2
	Totals	155	1240	.....	.....	30	300	90	540	74	111	
	<i>Gloucester County.</i>											
3	Beresford, &c.	40	320	.....	.....	12	120	30	180	50	75	3
4	Bathurst, New Bandon, &c.	50	400	.....	.....	25	250	40	240	250	3750	4
5	Caraquet, &c.	20	160	.....	.....	25	250	50	300	100	150	5
6	Shippigan & Miscou Island.	10	80	.....	.....	42	420	65	390	.....	.....	6
7	Tracadie, Inkerman, &c.	95	760	.....	.....	160	1600	544	3264	70	105	7
	Totals.	215	1720	.....	.....	264	2640	729	4374	2720	4080	
	<i>Northumberland County.</i>											
8	Chatham, Neguac, &c.	65	520	.....	.....	60	600	96	576	14060	21090	8
9	Baie du Vin, &c.	40	320	.....	.....	140	1400	60	360	650	975	9
10	Southwest and Northwest, Miramichi River.	1240	9920	.....	.....	280	2800	300	1800	.....	.....	10
	Totals	1345	10760	.....	.....	480	4800	456	2736	14710	22065	
	<i>Kent County.</i>											
11	Richibucto, &c.	50	400	.....	.....	717	7170	70	420	130	195	11
12	Buctouche, &c.	45	360	.....	.....	50	500	200	1200	60	90	12
13	Cocagne, &c.	35	280	.....	.....	50	500	85	510	20	30	13
	Totals.	130	1040	.....	.....	817	8170	355	2130	210	315	
	<i>Westmorland County.</i>											
14	Shediac, &c.	60	480	.....	.....	40	400	40	240	280	420	14
15	Botsford.	50	400	.....	.....	30	300	50	300	.....	.....	15
16	Sackville & Westmorland.	35	280	45	225	20	200	45	270	.....	.....	16
17	Dorchester.	30	240	60	300	.....	.....	45	270	50	75	17
	Totals	175	1400	105	525	90	900	180	1080	330	495	
18	<i>Albert County.</i>	95	760	.....	.....	10	100	50	300	40	60	18
	Grand totals.	2115	16920	105	525	1691	16910	1860	11160	18084	27120	

* Cwt. = 100 lbs.

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THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State, in **District No. 2**, Province of **New Brunswick**, during the year 1913-14—*Concluded*.

Number.	Fishing Districts.	Mixed fish, cwts.	Mixed fish, value.	Oysters, brls.	Oysters, value.	Clams, brls.	Clams, value.	Quabaugs, brls.	Quabaugs, value.	Cockles, Crabs, &c., cwts.	Cockles, Crabs, &c., value.	Number.
	<i>Restigouche County.</i>		\$		\$		\$		\$		\$	
1	Above Dalhousie					10	20					1
2	Below Dalhousie	100	100			25	50					2
	Totals	100	100			35	70					
	<i>Gloucester County.</i>											
3	Beresford, &c.					165	330					3
4	Bathurst, New Bandon, &c.			40	200	80	160					4
5	Caraquet, &c.			220	1100	850	1700					5
6	Shippigan & Miscou Island			20	100	800	1600					6
7	Tracadie, Inkerman, &c.					7100	14200					7
	Totals ..			280	1400	8995	17990					
	<i>Northumberland County.</i>											
8	Chatham, Neguac, &c.			2000	10000	2780	5560					8
9	Bay du Vin, &c.			2505	12525							9
10	Southwest and Northwest, Miramichi River											10
	Totals.			4505	22525	2780	5560					
	<i>Kent County.</i>											
11	Richibucto, &c.	80	80	1373	6865	26	52			12	12	11
12	Buctouche, &c.			1603	8015	125	250	4073	8146			12
13	Cocagne, &c.			1282	6410			6804	13608			13
	Totals ..	80	80	4258	21290	151	302	10877	21754	12	12	
	<i>Westmorland County.</i>											
14	Shediac, &c.			162	7810	700	1400	5353	10706			14
15	Botsford			150	750	40	80	180	360			15
16	Sackville & Westmorland			45	225	23	66					16
17	Dorchester					30	60					17
	Totals.			1757	8785	803	1606	5533	11066			
18	<i>Albert County</i> ..					40	80					18
	Grand totals...	180	180	10800	54000	12804	25608	16410	32820	12	12	

* Cwt. = 100 lbs.

THE CATCH MARKETING.

RETURN showing the Quantities and Value of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for District No. 2, Province of New Brunswick, during the year 1913-1914.

Number.	Fishing Districts.										Number.									
	Salmon, used fresh and frozen, * cwt.	Lobsters, canned, cases.	Lobsters, shipped in shell, cwt.	Cod, used fresh, cwt.	Cod, shipped green salted, cwt.	Cod, dried, quintals.	Haddock, used fresh, cwt.	Haddock, dried, quintals.	Hake and Cusk, used fresh, cwt.	Hake and Cusk, dried, quintals.	Herring, used fresh, cwt.	Herring, smoked, cwt.	Herring, pickled, brls.	Herring, used as bait, brls.	Herring, used as fertilizer, brls.	Mackerel, used fresh, cwt.	Mackerel, salted, brls.	Shad, used fresh, cwt.	Shad, salted, brls.	
<i>Restigouche County.</i>																				
1 Above Dalhousie	1125	248	60	150	111	40	131	33	180	1174	350	1000	3	10	10	201	125	122	448	
2 Below Dalhousie.	1511	248	60	150	111	40	131	33	180	1174	350	1000	3	10	10	201	125	122	448	
Totals	2636	248	60	150	111	40	131	33	180	1174	350	1000	3	10	10	201	125	122	448	
<i>Gloucester County.</i>																				
3 Beresford, &c.	1212	189	54	1196	413	1248	360	3715	225	13700	225	13700	65	65	65	281	2476	122	448	
4 Bathurst, New Bandon, &c.	803	558	30	700	3475	3491	1400	1860	2100	3000	2100	3000	65	65	65	281	2476	122	448	
5 Caraquet, &c.	206	206	20	5000	34300	34300	1600	7600	4200	18600	4200	18600	360	360	360	2064	5432	122	448	
6 Shippigan and Miscou Island.	4076	4076	270	1350	18100	18100	1620	7200	9259	1750	9259	1750	2064	2064	2064	2064	5432	122	448	
7 Tracadie, Inkerman, &c.	935	2057	70	140	312	6587	200	5670	1395	7090	1395	7090	5432	5432	5432	2064	5432	122	448	
Totals	2950	7086	444	2036	10580	63729	5180	26075	17170	44140	17170	44140	7921	7921	7921	281	2476	122	448	
<i>Northumberland County.</i>																				
8 Chatham, Neguac, &c.	1560	1813	40	60	130	375	1260	50	1580	3049	3049	2500	281	281	281	201	125	122	448	
9 Bay du Vin, &c.	3475	1412	20	388	20	375	1260	50	1580	3049	3049	2500	281	281	281	201	125	122	448	
10 Southwest and Northwest Miramichi River	525	1412	20	388	20	375	1260	50	1580	3049	3049	2500	281	281	281	201	125	122	448	
Totals	5560	3225	60	448	150	375	1260	50	2255	5349	5349	4837	2757	2757	2757	448	448	448	448	

THE CATCH MARKETING.

RETURN showing the Quantities and Value of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for District No. 2, Province of New Brunswick, during the year 1913-14.

Number.	Fishing Districts.												Number.					
	Alewives, used fresh, cwts.	Alewives, salted, brls.	Halibut, used fresh, cwts.	Flounders, used fresh, cwts.	Smelts, used fresh, cwts.	Trout, used fresh, cwts.	Sturgeon, used fresh, cwts.	Bass, used fresh, cwts.	Eels, used fresh, cwts.	Tom-cod, used fresh, cwts.	Mixed fish, used fresh, cwts.	Oysters, used fresh, brls.		Clams and quahaugs, used fresh, brls.	Clams and quahaugs, canned cases.	Dulse, crabs, cockles and other shell fish, used fresh, cwts.	Tongues and sounds, pickled or dried, cwts.	Fish oil, gals.
<i>Restigouche County.</i>																		
1 Above Dalhousie.....				1000	3951	30		20	50	50				10				1
2 Below Dalhousie				100	740	125		10	40	24	100			25				30
Totals				1100	4691	155		30	90	74	100			35				30
<i>Gloucester County.</i>																		
3 Beresford, &c.				80	20	40		12	30	50				165				3
4 Bathurst, New Bandon, &c.			135	40	860	50		25	40	2500		40	80	80				4
5 Caraquet, &c.....			200		2000	20		25	50	100		220	850	850		300		5
6 Shippigan and Miscon Island.....			100		2520	10		42	65			20	800	800		200		6
7 Tracadie, Inkerman, &c.....	100	625	120		3995	95		160	544	70					7100	100		7
Totals	100	625	555	120	9395	215		264	729	2720		280	1895	7100		600		32100
<i>Northumberland County.</i>																		
8 Chatham, Neguac, &c.....	160	340		1010	15518	65		60	96	14060		2000	2780					8
9 Bay du Vin, &c.....		228		350	12675	40		140	60	650		2505						9
10 Southwest and Northwest Miramichi River.....	200	467			160	1240		280	300									10
Totals	360	1035		1360	28383	1345		480	456	14710		4505	2780					

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<i>Kent County.</i>														
11 Richibucto, &c.	100	800	201	4300	50	717	70	130	80	1373	26	12	34	812
12 Buctouche, &c.	50	150	140	3940	45	50	200	60	...	1603	4198	...	...	100
13 Cocagne, &c.	50	150	30	1890	35	50	85	20	...	1282	6204	600	...	13
Totals	200	1100	371	10130	130	817	355	210	80	4258	10428	600	12	912
<i>Westmorland County.</i>														
14 Shepila, &c.	...	200	310	4030	60	40	40	280	...	1562	6053	...	...	14
15 Botsford	100	...	...	2780	50	30	50	...	...	150	226	...	...	15
16 Sackville and Westmorland	600	...	...	650	35	45	45	...	...	45	33	...	...	16
17 Dorchester	...	...	...	...	30	60	45	50	...	...	30	...	...	17
Totals	700	200	310	7460	175	105	180	330	...	1757	6336	...	...	...
<i>Albert County.</i>														
18	...	...	20	...	95	10	50	40	...	...	40	...	...	18
Totals	1360	2960	3281	60059	2115	1691	1860	18084	180	10800	21514	7700	12	33042
Rates	1	3	2	10	10	12	8	2	1	6	3	5	1.50	.30
Values	1360	8880	6562	600590	21150	525	14880	36168	180	64800	64542	38500	18	9913

Total value..... \$2,694,640.

*Cwt. 100 lbs. 4Quintal 112 lbs.

RECAPITULATION.

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, &c., state, for District No. 2, Province of New Brunswick, during the year 1913-14.

Kinds of Fish.	Caught and landed in a Green State.		Marketed.		Total Marketed Value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	\$
Salmon cwts.	13,090	196,350			
" used fresh "			13,090	196,350	196,350
LoBSTERS "	66,426	332,130			
" canned cases.			24,586	491,720	
" shipped in shell cwts.			4,965	24,825	516,545
Cod "	221,603	333,905			
" used fresh "			4,857	9,714	
" green—salted "			11,581	34,743	
" dried "			64,528	322,640	367,057
Haddock "	3,240	3,240			
" used fresh "			120	240	
" dried "			1,040	3,120	3,360
Hake "	11,440	11,440			
" used fresh "			3,581	5,372	
" dried "			2,620	7,860	13,232
Herring "	670,829	402,497			
" used fresh "			27,677	27,677	
" smoked "			35,084	70,168	
" pickled brls.			68,569	274,276	
" used as bait "			56,969	85,454	
" used as fertilizer "			126,640	63,320	520,895
Mackerel cwts.	16,831	117,817			
" used fresh "			16,807	168,070	
" salted brls.			8	96	168,166
Shad cwts.	1,409	11,272			
" used fresh "			974	9,740	
" salted brls.			145	2,175	11,915
AlWIVES cwts.	10,239	6,143			
" used fresh "			1,360	1,360	
" salted brls.			2,960	8,880	10,240
Halibut, used fresh cwts.	555	4,440	555		5,550
Flounders "	3,281	4,922	3,281		6,562
Smelts "	60,059	360,354	60,059		600,590
Trout "	2,115	16,920	2,115		21,150
Sturgeon "	105	525	105		525
Bass "	1,691	16,910	1,691		20,292
Eels "	1,860	11,160	1,860		14,880
Pan Cod "	18,084	27,126	18,084		36,168
Mixed Fish "	180	180	180		180
Oysters "	10,800	54,000	10,800		64,800
Clams "	29,214	58,428			
" used fresh "			21,514	64,542	
" canned cases.			7,700	38,500	103,042
Dulse, Cockles and other shell fish cwts.	12	12	12		12
Tongues and Sounds "			634		1,170
Fish Oil galls.			33,042		9,913
Totals		1,969,771			2,694,640

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RECAPITULATION.

Of the Number of Fishermen, etc., and of the Number and Value of Fishing Vessels, Boats, Nets, etc., in District No. 2, Province of New Brunswick, for the year 1913-14.

	Number.	Value.
		\$
Sailing and Gasoline Vessels.....	265	134,700
Boats (sail and row).....	5,416	236,390
Boats (gasoline).....	331	89,850
Carrying Smacks.....	25	7,130
Gill Nets, Seines, Trap and Smelt Nets, etc.....	55,196	515,385
Weirs.....	11	1,100
Trawls.....	438	3,250
Hand Lines	6,855	3,825
Lobsters Traps.....	223,160	223,160
Lobsters Canneries.....	175	142,050
Clam Canneries.....	4	4,200
Freezers and Ice-houses.....	194	123,900
Smoke and Fish-houses	442	62,620
Fishing Piers and Wharves.....	49	19,900
		1,567,460

Number of men employed on Vessels.....	1,050
" " " Boats.....	10,539
" " " Carrying Smacks.....	49
" persons employed in Fish-houses, Freezers, Canneries, &c... ..	5,302
Total	16,940

DISTRICT No. 3 (Inland).

RETURN showing the Number of Fishermen, etc., the Number and Value of Tugs, Vessels and Boats, and the Quantity and Value of all Fishing Gear and other Material used in the Fishing Industry in the Counties of **Kings, Queens, Sunbury, York, Carleton, Victoria and Madawaska**, Province of **New Brunswick**, during the year 1913-14.

Number.	Fishing Districts.			Boats.					Gill Nets.		Eel Traps.		Rods and Lines.		Freezers and Ice-houses.		Smoke and Fish-houses.	
	Sail.	Value.	(Gasoline.)	Value.	Men.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.			
County of Kings.																		
1	35	700	3	600	60	100	2000	...	...	55	110	...	...	10	100	1	100
2	30	300	1	160	20	125	1500	78	78	370	555	...	...	25	250	2	250
3	16	192	...	...	60	100	1200	...	...	75	150	...	...	...	...	3	...
Totals	81	1192	4	760	140	325	4700	78	78	500	815	...	...	35	350		350
County of Queens.																		
4	72	720	4	600	126	360	2880	...	...	100	250	...	...	35	280	4	280
5	90	900	5	1200	150	280	2240	20	100	50	125	10	100	15	150	5	150	
Totals	162	1620	9	1800	276	640	5120	20	100	150	375	10	100	50	430		430	
County of Sunbury, (in all)....																		
	30	450	2	500	45	580	4640	...	...	90	200	...	...	15	250	6	250
County of York.																		
7	95	950	10	1000	110	110	2200	...	...	300	600	...	...	...	...	7	...
8	110	1800	18	7000	135	...	...	...	...	500	1000	3	450	...	...	8	...
9	25	250	...	...	35	30	200	...	...	125	250	...	...	...	...	9	...
Totals	230	3000	28	8000	280	140	2400	...	...	925	1850	3	450	...	...		...
County of Carleton.																		
10	55	330	55	50	750	100	200	10	...	
11	10	100	10	50	200	11	...	
Totals	65	430	65	50	750	150	400	

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										12	13
<i>County of Victoria.</i>									
12 St. John River District.....	11	198
13 Tobique River and Lakes.....	30	600	500
Totals.....	41	798	.....	.....	.....	.....	.....	.....	.....	500	.....
<i>County of Madawaska.</i>										.....	.....
14 Madawaska River and Eastward.....	150	950
15 West of Madawaska River.....	80	460	2	250
Totals.....	230	1410	2	250

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Victoria County.												12	13
12	St. John River District												
13	Tobique River and Lakes	3	45	26	260								
39		50	750	70	700								
111	Totals	53	795	96	960								
12	Madawaska County.												
14	Madawaska River and eastward	7	105	125	1250								
15	West of Madawaska River			50	500	26	390					14	15
	Totals	7	105	175	1750	26	390						

* Cwt. = 100 lbs.

THE CATCH

RETURN showing the Quantities and Values of all Fish caught and marketed or consumed locally for the Counties of **Kings, Queens, Sunbury, York, Carleton, Victoria and Madawaska**, Province of **New Brunswick**, during the year 1913-14.
—Concluded.

Fishing Districts.	Fels, cwts.*	Fels, value.	Perch, cwts.	Perch, value.	Alewives, cwts.	Alewives, value.	Shad, cwts.	Shad, value.	Gaspereaux, cwts.	Gaspereaux, value.	Mixed Fish, cwts.†	Mixed Fish, value.†	Caviare, cwts.	Caviare, value.	Number.
Kings County.															
1 St. John River District.....					150	300	40	200			25	25	1	100	1
2 Kennebecasis River District....	134	670			129	258	126	630			50	50			2
3 Belle Isle Bay and River District.....					30	60	17	85			10	10			3
Totals.....	134	670			309	618	183	915			85	85	1	100	
Queens County.															
4 Northwestern Section.....					560	1120	221	1105			30	30			4
5 Southwestern Section.....	32	160			800	1600	330	1650			30	30			5
Totals.....	32	160			1360	2720	551	2755			60	60			
6 Sunbury County (in all).....					2066	4132	12	60			50	50	1	50	6
York County.															
7 St. John River District.....							75	375	25	50	5	5			7
8 St. Croix, Magaguadavic and Oromocto Waters ..			4	16					10	20	10	10			8
9 Southwest Miramichi Waters ..									40	80	2	2			9
Totals.....			4	16			75	375	75	150	17	17			
Carleton County.															
10 St. John River and Westward.....							10	50			10	10			10
11 East of St. John River.....											5	5			11
Totals.....							10	50			15	15			

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Victoria County.									
12	St. John River District	16	80	8	10	15	15	12	
13	Tobique River and Lakes					10	10	13	
	Totals...	16	80	8	10	25	25		
Madawaska County.									
4	Madawaska River and Eastward...					80	80	14	
15	West of Madawaska River					25	25	15	
	Totals					110	110		

* Cwt. = 100 lbs. + "Mixed Fish" includes greyling, bull-heads and ouananiche.

RECAPITULATION.

Of the Yield and Value of the Fisheries in District No. 3, Province of New Brunswick, during the year 1913-14.

Kinds of Fish.	Quantity.	Value.
		\$
Salmon.....*Cwts.	897	13,455
Trout....."	728	7,280
Whitefish....."	26	390
Bass....."	159	1,590
Pickarel....."	528	5,280
Sturgeon....."	70	700
Eels....."	182	910
Perch....."	4	16
Alewives....."	3,810	7,620
Shad, fresh....."	788	3,940
" salted....."	51	255
Mixed fish....."	362	362
Caviare....."	1½	150
		41,948

Quantity consumed in Canada.....6
" exported to U.S.A.....4
* Cwts.=100 lbs.

RECAPITULATION.

Of the Number and Value of Boats, Nets, Traps, &c., used in the Fisheries in District No. 3, Province of New Brunswick, during the year 1913-14.

	Number.	Value.
		\$
Boats (sail).....	839	8,900
" (gasoline).....	45	11,310
Gill-nets, seines and other nets.....	1,740	17,660
Eel traps.....	98	178
Rods and lines.....	2,455	5,085
Freezers and ice-houses.....	18	1,050
Smoke and fish-houses.....	100	1,030
Lodges built and used by native and foreign sport fishermen.....	55	64,000
		109,213

Number of men employed on boats 1,169

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RECAPITULATION.

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state, for whole of New Brunswick, during the year 1913-1914.

Kinds of Fish.	Sea Fisheries.		Inland Fisheries.		Total, both Fisheries.		Total Marketed Value.
	Caught and landed in a Green State.		Marketed.		Marketed.		
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
		\$		\$		\$	\$
Salmon.....cwts.	17088	256320					
" used fresh....."			17088	256320	897	13,455	269775
Lobsters....."	78177	508395					
" canned.....cases			24586	491720		24586	491720
" ship. in shell..cwts.			16716	201090		16716	201090
							692810
Cod.....cwts.	240435	371569					
" used fresh....."			11387	22774		11387	22774
" green salted..."			12385	37959		12385	37959
" dried....."			68094	344036		68094	344036
							404769
Haddock....."	12672	26820					
" used fresh....."			6682	16625		6682	16625
" smoked....."			730	3650		730	3650
" dried....."			1516	4786		1516	4786
							25061
Hake....."	76620	60325					
" used fresh....."			5361	6707		5361	6707
" dried....."			23750	81815		23750	81815
							88522
Pollock....."	70862	70862					
" used fresh....."			37747	37747		37747	37747
" dried....."			11036	38626		11036	38626
							76373
Herring....."	868126	599794					
" used fresh....."			78847	78847		78847	78847
" canned.....cases			1332	6660		1332	6660
" smoked.....cwts.			91025	265961		91025	265961
" pickled.....brls.			69177	277316		69177	277316
" used as bait....."			72520	116556		72520	116556
" used as fertil....."			126890	63570		126890	63570
							808910
Mackerel.....cwts.	17741	121457					
" used fresh....."			17057	169070		17057	169070
" salted.....brls.			232	2736		232	2736
							171806
Shad.....cwts.	2859	18522					
" used fresh....."			2319	16465	788	3,940	20405
" salted.....brls.			180	2700	51	255	2955
							23360
Abwives.....cwts.	37765	33669					
" used fresh....."			6386	6386	3810	7,620	14006
" salted.....brls.			10460	46380		10460	46380
							60386
Sardines....."	141384	282768					
" canned.....cases			85700	428500		85700	428500
" sold, fresh or salted.....brls.			124084	248168		124084	248168
							676668
Habibut.....cwts	723	6120	723	7230		723	7230
Flounders....."	4261	6392	4261	8032		4261	8032

RECAPITULATION.

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state, for the **whole of New Brunswick**, during the year 1913-1914.—*Concluded.*

Kinds of Fish.	Sea Fisheries.				Inland Fisheries.		Total, both Fisheries.		Total Marketed Value.
	Caught and landed in a Green State.		Marketed.		Marketed.		Marketed.		
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
		¢		¢		¢		¢	
Smelts .. .. .cwts.	60117	360934	60117	601170			60117		601170
Trout..... "	2115	16920	2115	21150	728	7,280	2843		28430
Sturgeon..... "	105	525	105	525	70	700	175		1225
Bass..... "	1691	16910	1691	20292	159	1,590	1850		21882
Eels..... "	1940	11800	1940	15520	182	910	2122		16430
Tom Cod. "	18084	27126	18084	36168			18084		36168
White Fish..... "					26	390	26		390
Pickarel..... "					528	5,280	528		5280
Perch..... "					4	16	4		16
Mixed Fish..... "	180	180	180	180	362	362	542		542
Squid..... brls.	30	120	30	120			30		120
Oyster..... "	10800	54000	10800	64800			10800		64800
Clams and Scallops. "	56603	86472							
" used fresh... "			38070	81753			38070	81753	
" canned. ....cases			18530	90484			18530	90484	
Dulse, Cockles, etc.....cwts.	5288	7577	2788	11122			2788		172237
Tongues and Sounds. "			1054	19970			1054		11122
Caviare..... "					1½	150	1½		19970
Fish Oil.....gals.			50242	15073			50242		150
		2945577		4266759		41948			4308707

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RECAPITULATION.

Of the Number of Fishermen, &c., and of the Number and Value of Fishing Vessels Boats, Nets, &c., in the **whole** Province of **New Brunswick**, for the year 1913-14.

	Sea Fisheries.		Inland Fisheries.		Total both Fisheries.	
	Number.	Value.	Number.	Value.	Number.	Value.
		\$		\$		\$
Sailing and gasoline vessels.....	371	260,500			371	260,500
Boats (sail and row).....	7,126	286,110	839	8,900	7,965	295,010
" (gasoline).....	1,141	322,025	45	11,310	1,186	333,335
Carrying smacks.....	65	49,330			65	49,330
Gill nets, seines, trap and smelt nets, &c.	59,127	608,108	1,740	17,660	60,867	625,768
Weirs.....	469	340,885			469	340,885
Trawls.....	834	13,396			834	13,396
Hand lines.....	9,183	5,689			9,183	5,689
Eel traps.....			98	178	98	178
Rods and lines.....			2,455	5,085	2,455	5,085
Lobster traps.....	252,681	252,681			252,681	252,681
Sardine canneries.....	179	150,550			179	150,550
China.....	6	362,100			6	362,100
Freezers and ice houses.....	13	26,700			13	26,700
Smoke and fish-houses.....	215	233,130	18	1,050	233	234,180
Fishing piers and wharves.....	1,222	328,460	100	1,030	1,322	329,490
Pile drivers and scows.....	370	232,120			370	232,120
Lodges used by fishermen.....	501	19,550			501	19,550
			55	64,000	55	64,000
Totals.....		3,491,334		109,213		3,600,547

	Sea Fisheries.	Inland Fisheries.	Total.
No. of men employed on vessels.....	1,351		1,351
" " boats.....	12,883	1,169	14,052
" " carrying smacks.....	137		137
" persons " in fish houses, etc.....	6,336		6,336
Totals.....	20,707	1,169	21,876

APPENDIX No. 3.**PRINCE EDWARD ISLAND.****REPORT ON THE FISHERIES OF THE PROVINCE**

To the Superintendent of Fisheries,
Ottawa.

SIR,—I have the honour to submit my annual report on the fisheries of the province of Prince Edward Island for the year 1913-14 : also returns of catch, quantity and value of fish taken.

LOBSTERS.

The lobster pack was less than that of last season, being 17,639 cases short, and valued at \$743,180.

COD.

The catch of cod this year was slightly greater than during 1912-13. There were 59,022 cwts. taken during 1913-14, against 49,876 cwts. the previous season.

HAKE.

Hake was plentiful on the south side, and but for the scarcity of bait a much larger catch would have been taken. The supply of bait controls the catch to a great extent.

HERRING.

The catch of this fish was about the same as in 1912, and a sufficient quantity was taken for lobster bait, for which they are principally used.

MACKEREL.

The catch of mackerel was 125 per cent in excess of 1912. This fish was very plentiful, being taken both by net and hook, and were very large in size, and not for many years have they been so plentiful along the coast, fishermen reaping a good return for their labour.

SMELOTS.

The catch of smelts shows a considerable decrease from previous years. The prevailing mild weather in the early part of the season, and consequent losses made by shippers, are given as the reason for the decrease. The fishermen finding that their catches would only be bought by the shippers during cold weather did not attempt to catch the same quantity as in former seasons.

OYSTERS.

The oyster fishing shows an increase of 50 per cent over 1912. The interest manifested in the protection given oyster fishing is bearing good results, and with the con

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tinuance of the long close season for a few years the yield will be greatly increased. Good prices were realized.

The Provincial Government has taken over the barren bottoms, and about five thousand acres have been leased for oyster culture. About seven hundred barrels have been taken from the leased areas, and no doubt in a few years the quantity will be largely increased.

CLAMS AND QUAHAUGS.

A large increase in the quantity of quahaugs taken is noted; the amount this season being 18,966 barrels, against 4,985 barrels in 1912-13.

The patrol boat service last season was satisfactory, and with the same results for the coming year I hope to see illegal lobster fishing stopped entirely.

I am, sir, your obedient servant,

J. A. MATHESON,
Inspector of Fisheries.

RETURN showing the Number of Fishermen, &c., the Number and Value of Vessels and in the County of **Kings**, Province of **Prince Edward**

Number.	Fishing Districts.	Vessels Boats and Carrying Smacks.										Fish			
		Sailing and Gasoline Vessels.				Boats.					Carrying Smacks.			Gill Nets, Seines, Trap and Smelt Nets, etc.	
		(20 to 40 tons) Number.	(10 to 20 tons) Number.	Value.	Men.	Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Men.	Number.	Value.
				\$			\$		\$			\$			\$
1	Souris and Red Point.			3 1800	12	22	400	45	6750	144	...	...	...	163	2780
2	Fortune.					18	340	15	2250	66	...	...	...	45	470
3	Ammandale					55	1000	20	3000	125	...	...	...	141	1150
4	Georgetown					65	1170	20	3000	125	...	...	...	250	2000
5	Murray Harbour North.	1		1200	9	84	1500	46	6900	180	1	200	2	325	2600
6	Murray Harbour South.	8		4000	28	20	360	40	6000	85	1	200	1	260	2080
7	Morell and St. Peters.					25	450	35	5250	120	...	...	...	325	2950
8	Naufrage					28	500	18	2700	84	...	...	...	120	960
9	North Lake					28	500	16	2400	70	...	...	...	105	840
10	East Lake.					20	360	24	3600	70	80	640
	Totals	9		3 7000	49	365	6580	279	41850	1069	2	400	3	1814	16470

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Boats, and the Quantity and Value of all Fishing Gear, &c., used in the Fishing Industry Island, during the year 1913-14.

Gear.						Canneries.				Other Material.						Persons employed in Canneries, Freezers and Fish-Houses.	Number.
Trawls.		Hand lines.		Lobster traps.		Lobster canneries.		Clam canneries.		Freezers and Ice-Houses.		Smoke and Fish-Houses.		Fishing Piers and Wharves.			
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		
	\$		\$		\$		\$		\$		\$		\$		\$		
140	1120	70	70	9800	7350	4	2700	.....	.....	1	1000	4	200	1	500	110	1
15	120	60	60	8000	6000	3	2900	.....	.....	.....	.....	4	100	1	50	50	2
15	120	140	140	11000	8250	5	9800	1	50	.....	.....	4	100	2	500	90	3
25	200	140	140	19700	14400	6	7800	1	50	.....	.....	8	400	1	500	120	4
20	160	120	120	25700	19280	9	18300	2	100	.....	.....	10	500	.....	.....	110	5
200	1600	200	200	8100	6075	3	7000	1	50	.....	.....	12	600	1	500	80	6
140	1120	140	140	28100	21095	11	14800	.....	.....	.....	.....	12	300	1	200	160	7
10	80	70	70	15100	11320	6	6500	.....	.....	.....	.....	8	200	.....	.....	110	8
15	120	70	70	9100	6820	8	6500	.....	.....	.....	.....	10	250	.....	.....	100	9
70	560	100	100	11000	8200	5	9900	.....	.....	.....	.....	12	300	.....	.....	100	10
650	5200	1110	1110	145900	108790	69	86200	5	250	1	1000	84	2950	7	2250	1030	

RETURN showing the Number of Fishermen, &c., the Number and Value of Vessels Industry in the County of Queens, Province of

Number.	Fishing Districts.	Fishing Vessels, Boats, Tugs, &c.										
		Sailing and Gasoline Vessels.			Boats.					Carrying Smacks.		
		(10 to 20 tons) Number.	Value.	Men.	Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Men.
Queens County.			\$			\$		\$		\$		
1	Tracadie.....				94	3384	68	10200	300			
2	New London.....	5	2500	16	12	600	40	10000	104			
3	Point Prim.....				20	1000	47	8695	114			
4	Rustico.....	1	500	6	33	2475	60	15000	186	1	200	2
5	Wheatley River.....				16	400	6	1025	33			
6	Pownal.....				11	300	4	1600	23			
7	Charlottetown.....				20	800	6	1200	60			
8	Crapaud.....				9	290	11	2475	30			
9	Lot 65.....				35	1050	55	13750	180			
10	Bays and Rivers.....				80	575	6	1500	92			
Totals.....		6	3000	22	330	10874	303	65445	1122	1	200	2

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and Boats, and the Quantity and Value of all Fishing Gear, &c., used in the Fishing Prince Edward Island, during the year 1913-14.

Fishing Gear.								Canneries.		Other material.				Persons employed in Canneries, freezers and fish-houses.	Number.
Gill Nets, Seines, Trap and Smelt Nets, etc.		Trawls.		Hand lines.		Lobster Traps.		Lobster Canneries.		Smoke and fish-houses.		Fishing Piers and Wharves.			
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		
	\$		\$		\$		\$		\$		\$		\$		
633	3665	10	200	80	48	23300	19150	8	8200	90	2600	9	9050	152	1
890	6750	11	220	150	90	9500	9500	7	3825	10	875	9	1000	69	2
70	346	10	200	65	39	19935	13345	26	7600	8	240			87	3
368	2343	20	400	200	120	16800	16800	4	8500	35	3500	2	1500	100	4
76	250											1	400		5
43	187					3000	1000	1	500					10	6
				100	50										7
58	440					4892	3525	6	2000	6	300			41	8
53	587					16600	14900	7	7700	17	272	2	1000	68	9
										20	200				10
2191	14568	51	1020	595	347	94027	78220	59	38325	186	7987	23	12950	527	

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Boats, and the Quantity and Value of all Fishing Gear, &c., used in the Fishing Industry Island, during the year 1913-14.

Fishing Gear.								Canne- ries.		Other Material.						Persons Employed in Can- neries, Freezers and Fish Houses.	Number.
Weirs.		Trawls.		Hand Lines.		Lobster Traps.		Lobster.		Freezers and Ice- Houses.		Smoke and Fish- Houses.		Fishing Piers and Wharves.			
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		
	\$		\$		\$		\$		\$		\$		\$		\$		
.....		10	100	50	25	28000	28000	9	14400	.....		9	1800	1	40000	220	1
.....		8	80	20	10	5790	5790	3	6500	.....		3	600	.....		58	2
.....		40	400	100	50	12200	12200	4	4000	1	400	4	800	.....		84	3
.....		20	200	60	30	12000	12000	7	6550	1	400	7	1400	1	20000	72	4
.....		38	380	40	20	6300	6300	8	3450	.....		8	1600	1	20000	51	5
.....		2	20	12	6	4500	4500	2	2000	.....		2	400	.....		30	6
.....			2470	2470	4	2000	.....		4	800	1	6000	18	7
.....			16	8	5350	5350	7	3500	.....		7	1400	1	15000	23	8
.....			1700	1700	2	1000	.....		.....		.....		15	9
.....			20	8	9100	6600	3	1850	.....		.....		1	800	39	10
.....			1400	1100	1	760	.....		.....		.....		10	11
.....			5000	4000	1	600	.....		.....		.....		30	12
.....			12	9	1500	1180	.....		.....		8	175	1	1600	8	13
.....			12000	10000	2	1600	.....		.....		.....		51	14
.....			1500	1500	2	1500	.....		.....		.....		12	15
.....		40	120	150	150	6200	4000	3	2450	.....		.....		.....		39	16
.....			21310	17000	9	6500	.....		.....		.....		104	17
.....			900	585	1	500	.....		1	1000	.....		6	18
.....			5100	4000	3	1600	.....		.....		.....		18	19
.....			9800	7725	6	5560	.....		.....		.....		42	20
.....			2500	1970	1	200	.....		2	2200	.....		8	21
.....			5	22
.....		158	1300	450	310	177120	157970	78	66520	2	800	53	9975	9	105600	943	

5 GEORGE V., A. 1915

THE

RETURN showing the Quantities and Values of all Fish caught and landed in a Green Year

Number.	Fishing Districts.	Salmon, *cwt.	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake and Cusk, cwts.	Hake and Cusk, value.	Herring, cwts.
	<i>King's County.</i>		\$		\$		\$		\$		\$	
1	Souris and Red Point.			1819	10914	1340	1675	400	280	10140	7098	5200
2	Bay Fortune.			1608	9648	200	312	10	7	300	210	1200
3	Annandale.			3467	20802	200	268	15	10	450	315	2000
4	Georgetown.			4003	24018	200	300	60	42	350	245	3400
5	Murray Harbour North.			5647	33882	200	300	40	28	200	140	5000
6	Murray Harbour South.			2568	15408	850	1212	215	150	8660	6062	6015
7	Morell and St. Peters.	90	900	7083	42498	1855	2444	20	14	160	112	1870
8	Naufrage.			3787	22722	100	160	10	7	120	84	1001
9	North Lake.			3029	18174	100	150	15	10	110	77	900
10	East Lake.			3185	19110	740	1142	30	21	496	284	300
	Totals.	90	900	36196	217176	5785	7963	815	569	20896	14627	26886

*Cwt=100 lbs.

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CATCH.

State in the County of Kings, Province of Prince Edward Island, during the 1913-14.

Herring, value.	Mackerel, cwts.	Mackerel, value.	Alewives, cwts.	Alewives, value.	Smelts, cwts.	Smelts, value.	Trout, cwts.	Trout, value.	Eels, cwts.	Eels, value.	Tom-cod, cwts.	Tom-cod, value.	Mixed fish, cwts.	Mixed fish, value.	Clams, brls.	Clams, value.	Quahaugs, brls.	Quahaugs, value.	Number.
\$		\$				\$		\$		\$		\$		\$		\$			
2600	2300	11500	.....	.....	80	400	5	40	10	50	10	10	20	10	340	680			1
600	50	250	.....	.....	130	650	10	80	5	25	.....	.....	10	5	20	40			2
1000	75	375	.....	.....	15	75	8	64	5	25	.....	.....	10	5	30	60			3
1700	40	200	.....	.....	30	150	5	40	50	250	.....	.....	15	7	80	160			4
2500	20	100	.....	.....	60	300	5	40	45	225	5	5	30	15	370	740	100	270	5
3007	15	75	.....	.....	140	700	12	96	30	150	10	10	70	35	135	270			6
935	1440	7200	20	20	290	1450	15	120	35	175	.....	.....	15	7	50	100			7
500	50	250	.....	.....	10	50	5	40	.....	.....	.....	.....	.....	.....	.....	.....			8
450	450	2250	.....	.....	43	215	15	120	.....	.....	.....	.....	.....	.....	.....	.....			9
150	1214	6070	.....	.....	.....	.....	15	120	35	175	.....	.....	.....	.....	.....	.....			10
13442	5654	28270	20	20	798	3990	95	760	215	1075	25	25	170	84	1025	2050	100	270	

THE CATCH MARKETING.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for the County of Kings, Province of Prince Edward Island, during the year 1913-14.

Number.	Fishing Districts.										Number.	
	Salmon, used fresh, and froz. * cwt.	Lobsters, canned, cases.	Cod, used fresh, cwt.	Cod, shipped green, cwt.	Cod, dried, quintals.	Haddock, used fresh, cwt.	Haddock, dried, quintals.	Hake and Cusk, dried, quintals.	Herring, used fresh, cwt.	Herring, pickled, brs.		Herring used as bait, brs.	Mackerel, used fresh, cwt.
Kings County.												
1	Souris	728	115	160	300	50	113	3380	1300	80	1830	1000
2	Bay Fortune.....	643	15	10	50	10	.....	100	30	.....	585	5
3	Annandale.....	1387	15	10	50	10	.....	150	20	.....	990	10
4	Georgetown.....	1601	40	20	40	15	15	116	1400	.....	1000	10
5	Murray Harbour, North, ..	2259	25	20	40	30	13	66	20	.....	2490	20
6	Murray Harbour, South.....	1027	50	60	220	40	56	2886	940	.....	2385	..
7	Morell and St. Peters.....	2833	70	80	541	10	3	54	40	.....	915	1000
8	Naufraige	1515	10	10	20	.....	.....	40	30	.....	485	5
9	North Lake	1213	16	10	20	10	.....	37	30	.....	435	15
10	East Lake	1274	59	80	172	26	8	136	.....	.....	150	10
Totals...		14480	409	460	1453	201	208	6965	3810	180	11265	2075
Rates,		\$ 20.00	2.00	3.00	5.00	2.00	4.00	4.00	1.50	5.00	1.50	10.00
Values.. ..		\$ 289600	818	1380	7265	402	832	27860	5715	900	16897	20750

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State, in the County of Queens, Province of Prince Edward Island, during the year 1913-14.

Number.	Fishing Districts.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake and Cusk, cwts.	Hake and Cusk, value.	Herring, cwts.	Herring, value.	Mackerel, cwts.	Mackerel, value.	Alewives, cwts.	Alewives, value.	Number.
<i>Queens County.</i>																
1	Tracadie.....	5625	33750	12246	24492	.....	.....	89	133	4651	2328	767	4602	130	65	1
2	New London.....	2990	17840	10642	21284	.....	.....	50	75	2606	1303	600	3600	.....	.....	2
3	Point Prim.....	2872	17232	226	452	80	120	519	778	605	302	.....	.....	.....	.....	3
4	Rustico.....	5362	32172	25298	50596	.....	.....	187	280	5306	2653	1289	7734	.....	.....	4
5	Wheatley River.....	.....	.....	1000	2000	.....	.....	.....	.....	477	238	208	1218	.....	.....	5
6	Pownal.....	350	2100	.....	.....	.....	.....	.....	.....	30	15	.....	.....	.....	.....	6
7	Charlottetown.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
8	Crapaud.....	1055	6330	.....	.....	.....	.....	.....	.....	1026	513	.....	.....	.....	.....	8
9	Lot 65.....	2542	15252	.....	.....	.....	.....	.....	.....	1026	513	.....	.....	.....	.....	9
10	Bays and Rivers.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	402	201	10
	Totals.....	20796	124676	49412	98824	80	120	845	1266	15727	7865	2859	17154	532	266	

* Cwt. = 100 lbs.

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THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State, in the County of Queens, Province of Prince Edward Island, during the year 1913-14.—Concluded.

Number.	Fishing Districts.										Number.				
	Smelts, cwt.	Smelts, value.	Trout, cwt.	Trout, value.	Eels, cwt.	Eels, value.	Oysters, bbl.	Oysters, value.	Clams, bbl.	Clams, value.		Quahags, bbl.	Quahags, value.		
Queens County.															
1	Pracadie.	2610	11745	4	22	27	108	1200	5400	20	40	50	200	1	200
2	New London	619	2785	6	33	.....	.....	.....	.....	.....	.....	261	1044	2	1044
3	Point Prim.	340	1530	17	93	.....	.....	499	2245	.....	.....	.....	.....	3	.....
4	Rustico	375	1687	.....	.....	.....	.....	.....	.....	86	172	.....	.....	4	.....
5	Wheatley River	270	1215	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	.....
6	Pownal	9	40	.....	.....	.....	.....	12	54	.....	.....	.....	.....	6	.....
7	Charlottetown.	541	2434	.....	.....	.....	.....	410	1845	.....	.....	.....	.....	7	.....
8	Capand.	329	1480	.....	.....	.....	.....	373	1678	.....	.....	300	1200	8	1200
9	Lot 65	400	1800	.....	.....	.....	.....	80	361	.....	.....	.....	.....	9	.....
10	Bays and Rivers	376	1692	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	.....
Totals		5869	26408	27	148	27	108	2574	11583	106	212	611	2444		

* Cwts. 100 lbs.

THE CATCH MARKETED.

RETURN showing the Quantities and Value of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for the County of Queens, Province of Prince Edward Island, during the year 1913-14.

Number.	Fishing Districts.	LoBSTERS, canned, cases.	COD, used fresh, cwt.	COD, shipped green salted, cwt.	COD, dried, tquintals.	Haddock, dried, quintals.	Hake and Cusk, used fresh, cwt.	Hake and Cusk, dried, quintals.	Herring, used fresh, cwt.	Herring, pickled, brls.	Herring, used as bait, brls.	Mackerel, used fresh, cwt.	Mackerel, salted, brls.	Alewives, salted, brls.	Smelts, used fresh, cwt.	Trout, used fresh, cwt.	Fels, used fresh, cwt.	Oysters, used fresh, brls.	Clams and Quahangs, used fresh, brls.	Fish oil, gals.	Number.
1	Tracadie.	2250	536	815	3360	...	...	29	67	40	2232	200	189	43	2610	4	27	1200	70	640	1
2	New London.	1196	408	749	2912	...	...	17	59	20	1248	115	162	...	619	6	...	...	261	1005	2
3	Point Prin.	1149	226	...	...	24	15	168	20	5	285	...	...	...	340	17	...	499	...	238	3
4	Rustico	2145	1780	1007	7168	...	...	62	140	119	2404	332	319	...	375	...	...	...	86	6000	4
5	Wheatley River	...	220	390	...	...	...	...	20	10	213	100	34	...	270	...	...	...	...	325	5
6	Pownal	140	...	...	...	...	...	...	4	...	13	...	...	...	9	...	...	12	...	...	6
7	Charlottetown	...	...	...	...	...	...	...	...	...	...	...	...	...	541	...	...	410	...	...	7
8	Crapaud	422	...	...	...	...	...	...	20	5	495	...	...	...	329	...	...	...	...	...	8
9	Lot 65	1017	...	...	...	...	...	...	10	...	508	...	...	134	400	...	...	373	300	...	9
10	Pays and Rivers	...	...	...	...	...	...	...	...	...	...	...	...	...	376	...	...	80	...	...	10
	Totals.	8319	3170	2961	13440	24	15	276	331	199	7398	747	704	177	5869	27	27	2574	717	8208	
	Rates	20.00	2.00	4.00	6.00	5.00	1.50	4.00	1.00	4.00	2.00	10.00	18.00	2.00	5.00	6.00	4.00	5.00	4.00	30	
	Values.	166380	6340	11844	80640	120	22	1104	331	796	14796	7470	12672	354	29345	162	108	12870	2868	2462	
	Total value																				\$350,684

(Cwt. = 100 lbs. † Quintal = 112 lbs.)

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THE CATCH.

RETURN showing the Quantities and Value of all Fish caught and landed in a Green State, in the County of Prince, Province of Prince Edward Island, during the year 1913-14.

Number	Fishing Districts.	Lobsters, cwt.	Lobsters, value.	Cod, cwt.	Cod, value.	Hake and Cusk, cwt.	Hake and Cusk, value.	Herring, cwt.	Herring, value.	Mackerel, cwt.	Mackerel, value.	Alwives, cwt.	Alwives, value.	Shells, cwt.	Shells, value.	Tom-cod, cwt.	Tom-cod, value.	(Oysters, cwt.	(Oysters, value.	(Quahags, lbs.	Quahags, value.	Number.
Prince County.																						
1	Tignish	6268	31340	400	800	1000	750	1150	575	620	3100			330	150							1
2	Nail Pond	1462	7310	260	520	300	225	500	250	100	500											2
3	Skinner's Pond	2281	11405	380	760	600	300	700	350	100	500											3
4	Munisingash	1965	9825	600	300	800	400	1000	500	1000	5000			40	200							4
5	Albionton	1920	6450	500	250	700	350	800	400	600	3000			230	1150			10	280			5
6	Roxbury	768	3810	120	60	50	25	800	400	35	175			80	400			800	5600			6
7	Brace	524	2620					300	150					35	175							7
8	West Point	708	3540	76	38			300	150													8
9	Narrows, Lot 11	485	3152	510	1530			2460	2460					95	475			1874	13118			9
10	Calversie, Lot 12	1800	11700	420	1260			2220	2220					190	950			1000	7000	3200	12800	10
11	Biddeford	350	2275					970	970			10	40					1250	8750	200	800	11
12	Wellington	850	5525					1480	1480					68	340			3621	25347	950	3800	12
13	Grand River							2400	2400					52	260			425	2975	3000	12000	13
14	Richmond Bay	2025	13162					1000	1000					120	600			520	3640	1200	4800	14
15	Traveller's Rest	625	4062					770	770					170	850			300	2100	7025	28100	15
16	Malpeque	2205	14332	530	1677			3140	3440	528	1818			420	2100							16
17	Fifteen Point	6288	40872					16072	16072					196	980							17
18	Summerside	312	2028					320	320					450	2250							18
19	Carlton	1455	9457					1380	1380					505	2525							19
20	Troxon	3395	22067					3210	3210					149	745			22	154			20
21	Fanning	850	5525					1260	1260					185	925	20	40	125	875	1520	6080	21
22	Indian River							150	150					95	475			400	2800	34	136	22
Totals.		35906	214487	3825	7195	3450	2050	42682	39907	2983	14123	40	40	3110	15550	20	40	10377	72639	17129	68516	

THE CATCH MARKETING.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., State, for the County of Prince, Province of Prince Edward Island, during the year 1913-14.

Number.	Fishing Districts.	Lobsters, canned, cases.	Cod, fresh, cwt.	Cod, shipped green-salted, cwt.	Cod, dried, quintals.	Hake and Cusk, dried, quintals.	Herring, fresh, cwt.	Herring, pickled, brs.	Herring, used as bait, brs.	Mackerel, fresh, cwt.	Mackerel, salted, brs.	Alewives, used fresh, cwt.	Smelts, used fresh, cwt.	Tom-cod, used fresh, cwt.	Oysters, used fresh, brs.	Clams and Quahogs, used fresh, brs.	Fish Oil, gals.	Number.
1	Tignish	2507	30	185	...	333	10	...	500	10	203	...	30	...	...	...	...	1
2	Nail Pond	584	15	122	...	90	...	...	250	15	28	...	...	...	...	...	...	2
3	Skinner's Pond	912	45	167	...	200	...	...	350	15	28	...	...	...	...	...	...	3
4	Mimigash	786	40	280	...	266	...	...	500	50	316	...	40	...	...	...	...	4
5	Alberton	516	75	213	...	233	...	...	400	40	186	...	230	...	...	40	...	5
6	Roxbury	307	20	50	...	16	...	...	400	15	6	...	80	...	...	800	...	6
7	Brae	209	...	...	...	...	...	...	150	...	...	...	35	...	...	...	...	7
8	West Point	233	15	30	...	...	...	...	150	...	...	...	...	...	...	...	...	8
9	Narrows, Lot 11	194	10	250	...	...	...	30	1200	11	8	...	95	...	...	...	...	9
10	Ellerslie, Lot 12	720	10	205	...	...	...	...	1110	...	...	...	190	...	...	1874	200	10
11	Bideford	140	...	...	...	...	...	...	485	...	...	...	...	...	...	1000	3200	11
12	Wellington	340	...	...	...	...	...	...	740	...	...	40	...	...	...	1250	200	12
13	Grand River	...	...	...	...	...	...	10	1190	...	...	...	...	...	...	3621	950	13
14	Richmond Bay	810	...	...	...	...	...	...	500	...	...	...	120	...	...	425	3000	14
15	Fravellers Rest	250	...	...	...	...	...	...	385	...	...	...	170	...	...	520	1200	15
16	Maipeque	882	130	...	143	...	...	...	1720	...	176	...	420	...	...	300	7025	16
17	Fifteen Point	2515	...	...	...	...	...	100	7936	...	...	...	196	...	...	...	...	17
18	Summerside	125	...	...	...	...	...	...	160	...	...	...	450	...	...	...	...	18
19	Carleton	582	...	...	...	...	...	...	690	...	...	...	505	...	...	...	...	19
20	Tryon	1358	...	...	...	...	...	...	1605	...	...	...	149	...	...	22	...	20
21	Emmore	340	...	...	...	...	...	...	630	...	...	...	185	...	...	125	1520	21
22	Indian River	...	...	...	...	...	...	...	75	...	...	...	95	...	...	400	34	22
	Totals	14350	390	1502	143	1138	10	140	21126	156	951	40	3110	20	10377	17129	600	
	Rates	\$ 20.00	2.00	4.00	6.00	4.00	1.00	4.00	2.00	10.00	18.00	2.00	5.00	2.00	7.00	4.00	.40	
	Values	\$ 287200	780	6008	858	4552	10	560	42252	1560	17118	80	15550	40	72639	68516	240	

Total value..... \$517,963

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RECAPITULATION.

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State, for the Province of Prince Edward Island, during the year 1913-14.

Kinds of Fish.	Caught and landed in a Green State.		Marketed.		Total marketed value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	\$
Salmon cwts.	90	900			
" used fresh..... "			90		1,030
Lobsters..... "	92,898	556,339			
" canned..... cases.			37,159		743,180
Cod..... "	59,022	113,982			
" used fresh..... "			3,969	7,938	
" green—salted..... "			4,923	19,232	
" dried..... "			15,036	88,763	115,933
Haddock..... "	895	689			
" used fresh..... "			201	402	
" dried..... "			232	952	1,354
Hake..... "	25,191	17,943			
" used fresh..... "			15	22	
" dried..... "			8,379	33,516	33,538
Herring..... "	85,295	61,214			
" used fresh..... "			4,151	6,056	
" pickled..... brls.			519	2,256	
" used as bait..... "			39,789	73,945	82,257
Mackerel..... cwts.	11,496	59,547			
" used fresh..... "			2,978	29,780	
" salted..... brls.			2,848	51,264	81,044
Alewives..... cwts.	592	326			
" used fresh..... "			60	120	
" salted..... brls.			177	354	474
Smelts..... cwts.	9,777	45,948	9,777		51,279
Trout..... "	122	908	122		1,112
Eels..... "	242	1,183	242		2,258
Tom-cod..... "	45	65	45		90
Mixed Fish..... "	170	84	170		170
Oysters..... brls.	12,951	84,222	12,951		85,509
Clams..... "	18,936	73,492			
" used fresh..... "			18,671	74,684	
" canned..... cases.			290	1,740	76,424
Tongues and Sounds..... cwts.			50		1,500
Fish Oil..... gals.			10,618		3,245
Totals.....		1,016,842			1,280,447

RECAPITULATION.

Of the Number of Fishermen, &c., and of the Number and Value of Fishing Vessels, Boats, Nets, &c., in the Province of Prince Edward Island, for the year 1913-14.

	Number.	Value.
		\$
Sailing and Gasoline Vessels.....	24	12,280
Boats (sail).....	1,110	35,789
Boats (gasoline)	970	185,195
Carrying Smacks.....	6	1,400
Gill Nets, Seines, Trap and Smelt Nets, etc....	6,198	44,923
Trawls.....	859	7,520
Hand Lines.....	2,185	1,773
Lobsters Traps.....	416,747	324,980
Lobster-canneries.....	197	191,045
Clam Canneries....	5	250
Freezers and Ice-houses..	3	1,800
Smoke and Fish-houses.....	325	20,912
Fishing Piers and Wharves....	39	120,800
Totals.....		948,667

Number of men employed on Vessels.....	96
" " Boats.....	3,656
" " Carrying Smacks.....	12
" persons employed in Fish-houses, Freezers, Canneries, &c....	2,500
	6,264

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APPENDIX No. 4.**QUEBEC**

GULF DIVISION, SEA FISHERIES DISTRICT: COMPRISING THE COUNTIES OF BONAVENTURE, GASPE, SAGUENAY AND RIMOUSKI. INSPECTOR, WM. WAKEHAM, M.D., GASPE BASIN.

GULF DIVISION, INLAND FISHERIES DISTRICT: COMPRISING THE COUNTIES OF TEMISCOUATA, KAMOURASKA, L'ISLET, MONTMAGNY, CHICOUTIMI, CHARLEVOIX, MONTMORENCY AND QUEBEC. INSPECTOR, WM. WAKEHAM, M.D., GASPE BASIN.

THE EASTERN TOWNSHIPS. INSPECTOR, C. A. BERNARD, ST. CESAIRE.

THE ST. LAWRENCE RIVER FROM HUNTINGDON COUNTY TO BELLE-CHASSE, AND THE COUNTIES FROM PORTNEUF TO SOULANGES. INSPECTOR, JOSEPH RIENDEAU, LONGUEUIL.

N.B.—In the inland portions of Quebec, including the inland section of the Gulf Division, the fisheries are administered by the Provincial Government. The department merely exercises a general supervision.

To the Superintendent of Fisheries,
Ottawa.

SIR,—I beg to submit the statistical returns, giving the quantities and value of the various Fisheries of the Gulf Division for the season of 1913-14. These returns show a decrease in the total value, as compared with the previous season, of \$135,810. The summer of 1913, like that of 1912, was cold and dull and fishing was late in beginning. On certain sections of the coast fishing was poor all through the season, fewer people being engaged and the season practically ended in September.

The demand for labour at the enormous pulp works now being erected at Chandler, in the County of Gaspé, together with the greatly increased efforts of the various Rossing and other mills all along the coast to extend the output of pulpwood, drew all hands away from the fishery.

SALMON.

The returns show a decided increase in the catch of salmon all over the Division, the prices paid were in excess of any previously reached. As a consequence we have everywhere a demand for new licenses to fish. The best salmon net fishing berths have long ago been taken up, and, it is extremely doubtful if most of the new stations now being applied for, will pay those who intend fishing them.

LOBSTERS.

The lobster pack again shows a decrease, only a little over 16,000 cases having been packed, as compared with 20,000 in 1912. This falling off is generally attributed to a poor fishing season, the weather in May and June being rough; we had no heavy gales, and the loss of traps, due to rough weather, was below the average, but all the same the number of days during which traps could be raised, fished and rebaited was fewer than usual. The price of the canned product continues to rise, and the tendency to put the meat up in smaller tins is everywhere apparent. Complaints are

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being made by purchasers that too large a quantity of water is being put in the tin; the pound tin in some cases has been shown to contain only twelve ounces of lobster meat. If this practice extends, some remedy will have to be found by your department, with the view of protecting the consumer from so deliberate a fraud. We have raised the price of the 48-lb. case to \$19, but we could very justly have put it at \$20.

COD.

The cod fishery shows a considerable shrinkage, only 112,000 cwt. of dried cod having been prepared for export, as compared with 150,000 cwt. in 1912. This was due to the failure of the fishery all along the coast from Cape de Rosier West, and on the Labrador from Natashquan to the Strait of Belle Isle. On the Gaspé Coast, and at the Magdalen Islands the catch was good, but the number of hands engaged in the fishery was considerably less than usual, and as I have said before, we really have no fall fishery. The price fortunately ruled high, outside buyers, notably from Boston and Gloucester, were everywhere along the coast with schooners, competing for fish, taking it with very little cull, and in any condition. The dog fish were back in increased numbers, and were all over the gulf, even down to the Strait of Belle Isle. For the fourth season in succession, we had a failure in the inshore or summer fishing, mostly made with trap-nets, on what is known as the Canadian Labrador, or that part of the coast between Natashquan and Blanc Sablons. The fishermen insist that their failure is due to the cleaning out of the whales, by the new wholesale methods of hunting them. The capelin not being driven inshore by the whales, the cod consequently remains off shore. Trawlers and gill netters, who fish off shore, report plenty of fish in deep water.

HERRING.

The principal item of decrease for the season now being dealt with, is found in connection with the herring, the total return from all branches of this fishery being only \$195,559, as against \$279,614 in 1912, and practically all of this decrease was due to the falling off in the pack of pickled herring. Owing to the disease which showed itself among the summer herring, the demand for pickled herring stopped abruptly. Large quantities of these fish were found in a dull and helpless condition floating on the surface. Externally they showed congested and even ulcerated spots towards the tail end of the fish; on opening them a congested condition is found along the sides of the back bone, and here again the congestion seems to be confined to the after part of the fish. On exposure to the air these diseased fish decompose more rapidly than healthy fish should, a condition which usually follows death from congestion. The fishermen tell us that the herring taken well off shore are sound and good, that the diseased condition seems to be confined to the herring taken inshore. Last spring (1913) and at the time of writing (June, 1914) no disease was remarked among the schools of spring herring. Fishermen, who are ever ready with a reason for things, say that this disease is due to the gasoline escaping from the boats and floating on the surface. Whatever the cause may be, the matter is a very serious one, and it should occupy the attention of our biological branch.

MACKEREL.

The returns from the mackerel fishery show a decided gain, and there is now no doubt that the mackerel are coming back to their old haunts in the gulf. Our own people, outside of the Magdalen Islands, made no special fishery for mackerel, but a number of smacks from Nova Scotia carry on a fishery with drift nets in the Bay Chaleur, and between Gaspé and Anticosti.

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WHALES.

Eighty-seven whales were killed by the two steamers operating in connection with the whaling station at Seven Islands. The returns show that the resulting product of their operations in oil, guano and bone was about the same as that of 1912, when ninety whales were killed.

BAIT.

Bait was plenty in the spring and again towards the fall, but as usual it was scarce during the summer. The bait most sought for during the late summer fishery is the squid but the fishermen say it is driven away by the dog-fish. Capelin, which for many years, had not been found along the south coast, has returned during May and the end of June in abundance. It would look as though the killing off of the whales might have something to do with the increase and return of the capelin.

INLAND SECTION OF THE GULF DIVISION.

The returns from the fishing of this section are about the same as usual. More fish have been taken in the upper section of the counties of Montmagny and Montmorency, but in the eastern part of the river from Rimouski to River Ouelle, where a considerable quantity of herring is usually taken in the Pêches, a great portion of which is usually pickled and sold in the parishes, and in Quebec, nothing whatever was done; the idea that all the herring was diseased had got abroad, and the owner of the Pêches had been warned not to send any of this herring to the usual markets. The consequence was that little or no attempt was made to take them, and whatever was taken went to the land as fertilizer.

The usual number of tourists and sportsmen visited the region between Quebec and Lake St. John, where many fishing and hunting clubs are established.

I am, sir,

Your obedient servant,

WM. WAKEHAM.

(Translation.)

To the Superintendent of Fisheries.
Ottawa.

SIR,—I have the honour to submit my report for the fiscal year ending the 1st April, 1914, as well as the statistics relating thereto. The following is the result of my personal observations, and information gathered from the fishermen and local officers.

On the Richelieu River throughout the Counties of Chambly, Verchères and St. Johns, fishing was good this year, especially at the lower end of the river, where pickerel and bass are abundant. Eel fishing at Iberville, which is becoming more difficult since the Chambly dam was built, was better and more remunerative this year.

The fishery officers are very painstaking and appear to discharge their duties. There are, however, contraventions to the law, especially in the spring when certain strangers fish in Canadian waters at the mouth of the river, and the electric company

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use dynamite to break the ice and open the channel, for the use of its workshops at Chambly.

In the Counties of Iberville and Mississquoi, in Rivière aux Brochets and Mississquoi Bay, fishing was better this year. Pickerel, perch and pike, especially, were very abundant. The fishery officers are diligent and the law is carefully observed.

The numerous lakes situated in the Counties of Brome, Stanstead and Sherbrooke, are very well stocked and sought after by amateurs, and the public are interested in having the law observed, thereby facilitating the task of the local officers. Salmon and trout are gradually increasing, more especially in Lake Memphremagog, and are very fine.

In the Counties of St. Hyacinthe, Bagot, Rouville and Shefford, on the Yamaska River and its tributaries, fishing was better this year and the regulations adhered to. There does not seem to have been any contravention, as complained of in past years.

I am pleased to state as regards the Counties of Richmond and Wolfe that there has been an improvement there, especially in Lake Aylmer, where the fish are increasing and the regulations better observed than in the past.

There seems to be no improvement in the Counties of Megantic and Beauce. This is the part of my district where the least progress is seen and which is the least interesting. There are very few fish there and what there is, is of poor quality. The public do not bother about fishing and do not seem to take any steps to improve the conditions. The Provincial Fishery Officers do not look after their duties and the regulations are completely ignored.

In general, fishing was better this year and the law more strictly observed. In the southeastern part of the district, particularly where the fish are more abundant, an improvement has been noticed during the past two years. The public seem to appreciate more the efforts of the Government in preserving and protecting the fish, and derive a benefit in the greater number of fishermen who come to the fishing places, as well as from the increase in the price of fish. Hence, the Provincial Officers find it easier to fulfil their duties and to have the regulations carried out.

I am sorry I cannot say as much for the lower part of the district where fish is found only in small quantities and where the regulations are not observed.

With a view to affording better protection to the fisheries in that district, I beg to repeat the recommendations made in my former reports:—

To completely forbid the use of minnow nets and of all nets in the tributaries of the St. Lawrence; if the same are not to be completely done away with they should only be allowed from the 1st October to the 31st December, and the mesh of the nets should not be less than 3 inches.

The use of seines should be prohibited during the winter, or at least, the greatest restrictions made as regards their use, and night lines should be prohibited from the 15th October to the 15th June.

I am, sir,

Your obedient servant,

(Sgd.) C. BERNARD,
Inspector of Fisheries.

To the Superintendent of Fisheries,
Ottawa.

SIR,—I beg to submit to you my report for the fiscal year ending March 31, 1914, together with the statistical returns.

I had the opportunity, during last year, to visit the different sections of my district. In some parts of the district the yield has notably decreased in quantity as

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well as in quality, while elsewhere it has improved. This can be explained by the fact that all depends upon whether nets are used or not.

The great cause of trouble is the fishing with seines and nets of all descriptions. In some parts of my district fishermen have been notified, by myself and the overseers, of the harm done to the fish by using illegal implements during closed seasons when the fish is in an immature condition, or when it is not even able to ascend the small rivers or tributaries to spawn. It has had no good effect however upon them.

Lake St. Peter, Counties of Laprairie, Chambly, Verchères, Nicolet, Maskinonge, Berthier, L'Assomption, where the abuses are the worst, are fished freely on Sundays, as well as on any other day, with nets of small mesh. The result of this is shown in the decreased yield.

In other sections like Lake St. Louis, Lake St. Francis, County of Two Mountains, Richelieu, Jacques Cartier, Vaudreuil, Soulanges, owing to a great decrease in the number of seines and nefarious nets, there is a marked improvement in the fishing grounds. Though there are still nets for minnows, it must be acknowledged that the law is better observed than previously.

Where licenses prevail, the fishery officers are more active and the public more careful to comply with the regulations and protect the fish.

In some small rivers, such as Lachenaie and L'Assomption, where game fish go to spawn and in other streams in the southern part of my district, licenses are still being granted to fish with nets, which, in my opinion, should be forbidden, both in the tributaries of the St. Lawrence and in other small streams.

The law should not allow fishing with hoop nets or seines of less than three inches extension measure; while gill nets and trap nets should not be permitted in small rivers.

Nets of any kind, especially in small streams, constitute a general blockade and prevent the fish from ascending during the spawning season; the immature fish descending to the deeper waters are also entangled in the meshes.

Eels have been noticeably more abundant this last year, especially in Bellechasse County, than in previous years. Mixed fish are also more numerous.

I respectfully suggest that fishing through ice in the winter, if not prohibited, should at least be closely watched, as large quantities of immature and sometimes game fish are destroyed by such fishing.

During the year, I have visited a number of sawmills, fined the proprietors who permitted sawdust and refuse to be thrown into the streams, ordering them, at the same time, to take the necessary steps to completely stop the nuisance.

The only remedy I can see against the abuse of net fishing, and to replenish our rivers, would be to prohibit the use of nets from the County of Champlain on the north shore and the County of Nicolet on the south shore of the St. Lawrence River and its tributaries for a certain number of years, along both shores up to the Canadian Pacific Railway Bridge at Lachine.

Night lines should also be prohibited from the 15th of October to the 15th of June of each year.

Fish-ways that have been built recently work satisfactorily.

I am, sir,

Your obedient servant,

JOS. RIENDEAU,
Inspector of Fisheries, Longueuil.

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COUNTY OF SAGUENAY.

9	Subdiv. of Godbout	2	300	40000	20	11	4150	24	200	5900	3	1200	210	1	4000	369	12200	9
10	" Moisie								35	2500	3	750	60			60	7500	10
11	" Mingan								184	16800			450			65	3420	11
12	" Natashquan								70	5000	3	2000	160			60	1525	12
13	" Romaine								31	1870	2	1200	53			68	910	13
14	" St. Augustin								176	7790	4	950	255			180	12000	14
15	" Bonne Esperance					3	4500	18	286	13550	16	6550	156	1	1000	165	17495	15
16	" Island of Anticosti	1	60	8000	6				45	2600	1	1200	60			44	2500	16
	Totals	3	360	48000	26	3	8650	42	1027	55110	32	13850	1704	1	4000	1011	90550	

COUNTY OF RIMOUSKI.

17	Subdiv. of Rimouski County								129	1872	4	3100	85			131	2425	17
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RETURN showing the Number of Fishermen, &c., the Number and Value of Vessels and Boats, and the Quantity and Value of all Fishing Gear, &c., used in the Fishing Industry in the **Gulf Division**, Province of **Quebec**, during the year 1913-14.

COUNTY OF BONAVENTURE.

Fishing Districts.	Fishing Gear.						Canneries.			Other Material.				Persons employed in Can-neries, Freezers and Fish-houses.	Number.					
	Weirs.		Trawls.		Hand lines.		Lobster Traps.		Lobster Canneries.		Whale Factory.		Freezers and Ice-houses.			Smoke and Fish-houses.		Fishing piers and wharves.		
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.			Value.	Number.	Value.	Number.	Value.
Subdiv. of Restigouche	20	23	23	110	360	180	1500	1500	3	900			20	500		70	7500	2	18000	100
" Bonaventure.			135	700	780	350	7500	7500	7	2500			8	250		40	3500			130
" Port Daniel.													10	650						
Totals.	20	230	158	810	1140	570	9000	9000	10	3400			38	1400		110	11000	2	18000	230

COUNTY OF GASPÉ.

Number.	Weirs.		Trawls.		Hand lines.		Lobster Traps.		Lobster Canneries.	Whale Factory.	Freezers and Ice-houses.		Smoke and Fish-houses.	Fishing piers and wharves.	Persons employed in Can-neries, Freezers and Fish-houses.	Number.
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.			Number.	Value.	Number.	Value.		
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.			Number.	Value.	Number.	Value.		
4 Subdiv. of Grand River.			102	2090	2376	2250	16560	16560	13	1300		17	1350	109	81400	402
5 " Gaspé Bay.					4516	5645	4200	4200	6	1900		49	2850	468	76675	366
6 " Monts Louis and St. Ann's					1350	2700	350	350	1	200		5	500	25	7500	30
7 " Magdalen Islands South.			170	800	3380	1430	50450	50450	15	10050		11	4300	87	9300	294
8 " " North.			135	690	750	375	69800	69800	25	19500		2	2800	9	3000	97
Totals	407	3580	12372	12400	141360	141360	141360	141360	60	38950		84	11800	698	177875	1189

COUNTY OF SAGUENAY.

9	Subdiv. of Godbout.	80	8000	16	95	400	200	200	200	200	350	1	250	1	50000	92	3500	10	210	1	170	30	9
10	"			10	50	120	75								1	20	1000	25	670	1	150	60	10
11	"					1800	1169	40	400		250	1				30	1500	50	30000	6	3000	10	11
12	"					494	247	1675	1675		2375	8				2	850	91	14775	10	2050	40	12
13	"					63	63	2380	2380		550	7				1	300	15	2500	17	800	56	13
14	"					1408	701	2340	2340		1500	26						50	1000	130	2500	57	14
15	"					1188	299	25	25		100	1						60	15000	80	1000	53	15
16	"					50	30	3000	3000		7500	1				2	1000	6	1500	2	50000	25	16
	Totals	80	8000	111	625	5523	2787	10020	10020	45	12625	1	50000	147	8150	307	65655	247	68670			331	

COUNTY OF RIMOUSKI.

17	Subdiv. of Rimouski County	43	3556			200	200									8	800	5	1400			26	17
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THE CATCH

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State in the Gulf Division, Province of Quebec, during the year 1913-14.

COUNTY OF BONAVENTURE.

Number.	Fishing Districts.	Salmon, *cwts.	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake and Cusk, cwts.	Hake and Cusk, value.	Herring, cwts.	Herring, value.	Mackerel, cwts.	Mackerel, value.	Halibut, cwts.	Halibut, value.	Flounders, cwts.	Flounders, value.	Number.
1	Subdivision of Restigouche	1620	19440									11800	5900							1
2	" Bonaventure.	550	6600	750	3750	11500	11500	1000	750	1800	900	69250	34625					500	250	2
3	" Port Daniel.	830	9960	1380	6900	22250	22250	1650	1237	600	300	23725	11862	861	4305					3
	Totals	3000	36000	2130	10650	33750	33750	2650	1987	2400	1200	104775	52387	861	4305			500	250	

COUNTY OF GASPE.

Number.	Fishing Districts.	Salmon, *cwts.	Salmon, value.	Lobsters, cwts.	Lobsters, value.	Cod, cwts.	Cod, value.	Haddock, cwts.	Haddock, value.	Hake and Cusk, cwts.	Hake and Cusk, value.	Herring, cwts.	Herring, value.	Mackerel, cwts.	Mackerel, value.	Halibut, cwts.	Halibut, value.	Flounders, cwts.	Flounders, value.	Number.
4	Subdivision de Grand River.	372	4464	2245	11225	70100	70100	930	697			28760	14380							4
5	" Gaspe.	1200	14400	770	3850	78605	78605	1190	825			30810	15405							5
6	Subdiv. of Monts Louis and St. Anns	390	4680	50	250	13500	13500					17400	8700							6
7	" Magdalen Islands South.			11238	56190	47558	47558					66700	33350	17529	87645	154	1232			7
8	" " North.			20825	104125	1800	1800					72206	36103	5208	26040					8
	Totals	1962	23544	35128	175640	211563	211563	2030	1522			215876	107938	22737	113685	154	1232			

COUNTY OF SAGUENAY.

9 Subdivision of Gaspé	1632	19584	10	50	594	594	.....	.....	1680	840	.....	52	416	.....	9
10 " Moisie	2051	24612	.....	.....	1500	1500	.....	.....	108	54	.....	12	96	.....	10
11 " Mingan	718	8616	35	175	22380	32380	.....	.....	60	30	.....	18	144	.....	11
12 " Natashquan	547	6564	231	1155	3000	3000	.....	.....	600	315	.....	20	160	.....	12
13 " Romaine	504	6048	1007	5035	951	951	.....	.....	1200	600	.....	12	96	.....	13
14 " St. Augustin	1236	14832	1140	5700	14904	14904	.....	.....	3270	1635	.....	.....	.....	.....	14
15 " Bonne-Espérance	624	7488	9	45	65400	65400	.....	.....	600	300	.....	24	192	.....	15
16 " Island of Anticosti	106	1272	1620	8100	810	810	.....	.....	15940	7970	.....	50	400	.....	16
Totals	7418	89016	4052	20260	119539	119539	.....	.....	23548	11774	.....	188	1504	.....	.....

COUNTY OF RIMOUSKI.

17 County of Rimouski	296	3552	200	200	19450	19725	45	360	17
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Cwt. 100 lbs.

THE CATCH.

Return showing the Quantities and Values of all Fish caught and landed in a Green State in the Gulf Division, Province of Quebec, during the year 1913-14.—*Concluded.*

COUNTY OF BONAVENTURE.

Number.	Fishing Districts.	Smelts, cwts.	Smelts, value.	Trout, cwts.	Trout, value.	Capelin, cwts.	Capelin, value.	Eels, cwts.	Eels, value.	Tom-cod, cwts.	Tom-cod, value.	Mixed fish, cwts.	Mixed fish, value.	Oysters, cwts.	Oysters, value.	Clams, cwts.	Clams, value.	Whales, number.	Whales, value.	Number.
1	Subdivision of Restigouche.	6000	36000	100	1000	12000	3000	120	600	250	250	...	...	...	...	230	690	...	...	1
2	" Bonaventure.	2000	12000	60	600	...	3000	...	600	70	70	...	...	...	...	500	1500	...	...	2
3	" Port-Daniel.	1750	10500	30	300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
	Totals	9750	58500	190	1900	12000	3000	120	600	320	320	...	...	...	...	730	2190	...	...

COUNTY OF GASPE.

Number.	Fishing Districts.	Smelts, cwts.	Smelts, value.	Trout, cwts.	Trout, value.	Capelin, cwts.	Capelin, value.	Eels, cwts.	Eels, value.	Tom-cod, cwts.	Tom-cod, value.	Mixed fish, cwts.	Mixed fish, value.	Oysters, cwts.	Oysters, value.	Clams, cwts.	Clams, value.	Whales, number.	Whales, value.	Number.
4	Subdivision of Grand River.	870	5220	50	500	...	...	...	...	...	...	...	...	...	...	50	150	...	...	4
5	" Gaspé.	1200	7200	75	750	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
6	Subdiv. of Monts Louis and St. Ann's	...	...	50	500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
7	" Magdalen Islands South.	...	...	...	...	...	...	110	550	...	...	...	...	...	...	100	300	...	...	7
8	" " North.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	30	90	...	...	8
	Totals	2070	12420	175	1750	...	...	110	550	320	320	...	...	...	...	180	540	...	...

THE CATCH MARKETING.

RETURN showing the Quantities and Value of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., State for the Gulf Division, Province of Quebec, during the year 1913-14.

COUNTY OF BONAVENTURE.

Number.	Fishing Districts.	Salmon used fresh and frozen, cwts.	Salmon salted, cwts.	Lobsters, canned, cases.	Lobsters shipped in shell, cwts.	Cod used fresh, cwts.	Cod shipped green-salted, cwts.	Cod dried, quintals.	Haddock used fresh, cwts.	Haddock dried, quintals.	Hake and Cusk dried, quintals.	Herring used fresh, cwts.	Herring smoked, cwts.	Herring pickled, brls.	Herring used as bait, brls.	Herring used as fertilizer, brls.	Mackerel used fresh, cwts.	Mackerel salted, brls.	Number.
1	Subdiv. of Restigouche	1620										100		100		5700			1
2	" Bonaventure	550		300			500	3500	10	330	600	150	300	200	500	33450			2
3	" Port Daniel	830		540	30		2000	6083	25	530	200	75		200	400	11125	75	262	3
	Totals	3000		840	30		2500	9583	35	860	800	325	300	500	900	50275	75	262	
	Rates	14		19	8		3	6	2	4	3	1.50	2	4	1.50	.50	10	16	
	Values	42000		15060	240		7500	57498	70	3440	2400	487	600	2000	1350	25137	750	4192	

COUNTY OF GASPÉ.

Number.	Fishing Districts.	Salmon used fresh and frozen, cwts.	Salmon salted, cwts.	Lobsters, canned, cases.	Lobsters shipped in shell, cwts.	Cod used fresh, cwts.	Cod shipped green-salted, cwts.	Cod dried, quintals.	Haddock used fresh, cwts.	Haddock dried, quintals.	Hake and Cusk dried, quintals.	Herring used fresh, cwts.	Herring smoked, cwts.	Herring pickled, brls.	Herring used as bait, brls.	Herring used as fertilizer, brls.	Mackerel used fresh, cwts.	Mackerel salted, brls.	Number.
4	Subdiv. of Grand River	372		886	30	100	3000	20000				100		400	4000	9730			4
5	" Gaspé	1200		304	10	150	2200	24684				150		500	4500	10080			5
6	" Mont Louis and Ste. Anne	390		20			1000	3833				100		500	1000	6900			6
7	" Magdalen Islands South			4495			1000	15186				200	4000	500	22500	6000		5843	7
8	" Magdalen Islands North			8330				600				150		5200	21000	7228		1736	8
	Totals	1962		14035	40	250	9200	64303		676		700	4000	7100	53000	39938		7579	
	Rates	14		19	8	1.50	3	6		4		1.50	2	4	1.50	.50		16	
	Values	27468		266665	320	375	27600	385818		2704		1050	8000	28400	79500	19969		121264	

SESSIONAL PAPER No. 39

COUNTY OF SAGUENAY.

9 Subdiv. of Godbout	1632		10	297					560	9
10 " Moisie	2051			400	232				36	10
11 " Mingan	718	14		1189	10000				20	11
12 " Natashquan	547	93			1000				230	12
13 " Romaine		336			317				400	13
14 " St. Augustin		821			4968				1090	14
15 " Bonne Esperance		416	4		21800				200	15
16 " Island of Anticosti	106	640	20		270				60	16
Totals	5054	1576	30	1886	38587				2596	7820
Rates	%	14	19	3	6				4	1.50
Values	%	70756	30590	240	5658	231522			10384	11820

COUNTY OF RIMOUDI.

17 County of Rimouski	206			100				300	500	8825	17
Rates	%	14		3				1.50	4	50	
Values	%	4144		307				450	2000	4412	

Cwt = 100 lbs. Quantal = 112 lb.

SESSIONAL PAPER No. 39

COUNTY OF SAGUENAY.

Subdiv. of Saguenay	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223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RECAPITULATION.

OF the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state, for the **Gulf Division** (Sea Fisheries District) Province of **Quebec**, during the Year 1913-14.

Kinds of Fish.	Caught and landed in a green state.		Marketed.		Total marketed value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	\$
Salmon..... cwts.	12,676	152,112			
" used fresh			10,312	144,368	
" salted (dry)..... "			1,576	15,760	
					160,128
Lobsters..... "	41,310	206,550			
" canned..... cases.			16,485	313,215	
" shipped in shell			100	800	
					314,015
Cod..... "	365,052	365,052			
" used fresh			250	375	
" green -salted			13,686	41,058	
" dried..... "			112,473	674,838	
					716,271
Haddock..... "	4,680	3,509			
" used fresh..... "			35	70	
" dried..... "			1,536	6,144	
					6,214
Hake..... "	2,400	1,200			
" dried..... "			800		
					2,400
Herring..... "	363,649	181,824			
" used fresh..... "			1,325	1,987	
" smoked..... "			4,300	8,609	
" pickled..... brls.			10,696	42,784	
" used as bait..... "			61,780	92,670	
" used as fertilizer..... "			99,038	49,518	
					195,559
Mackerel..... cwts.	23,598	117,990			
" used fresh..... "			75	750	
" salted..... brls.			7,841	125,456	
					126,206
Halibut, used fresh..... cwts.	387	3,096	387		3,096
Flounders..... "	500	250	500		250
Smelts..... "	12,146	72,876	12,146		97,168
Trout..... "	710	7,100	710		8,520
Eels..... "	285	1,425	285		1,425
Tom Cod	320	320	320		320
Mixed Fish..... "	3,340	6,680	3,340		10,020
Clams	1,111	3,333			
" used fresh..... "			1,111		
					4,444
Capelin..... cwts.	25,100	6,275	25,100		6,275
Tongues and Sounds..... "			63		315
Hair Seal Skins			4,872		7,308
Beluga Skins..... "			75		375
Whales..... "	87	60,900			
Fish Oil..... galls.			90,400		27,119
Whale Oil..... "			147,560		44,268
Whale Bone			240		4,800
Whale Fertilizer..... tons.			244		85
Totals.....		1,190,492			1,736,581

SESSIONAL PAPER No. 39

RECAPITULATION.

OF the Number of Fishermen, etc., and of the Number and Value of Fishing Vessels, Boats, Nets, etc., in the **Gulf Division** (Sea Fisheries District), Province of **Quebec**, for the year 1913-14.

	Number.	Value.
		\$
Steam Fishing Vessels (tonnage 360).	3	48,000
Sailing and Gasoline Vessels.	29	25,300
Boats (sail).	4,213	222,152
" (gasoline).	196	65,900
Carrying Smacks.	9	7,950
Gill Nets, Seines, Trap and Smelt Nets, etc.	11,556	255,052
Weirs	143	11,780
Trawls.	676	5,015
Hand Lines.	19,235	15,957
Lobster Traps.	160,380	160,380
" Canneries	115	54,975
Freezers and Ice-houses	277	22,150
Smoke and Fish-houses.	1,120	255,930
Fishing Piers and Wharves.	290	131,115
Whaling Station.	1	50,000
Totals.		1,331,656

Number of men employed on Vessels.	149
" " Boats.	7,985
" " Carrying Smacks.	19
" persons employed in Fish-houses, Freezers, Canneries, &c.	1,776
	9,929

INLAND FISHERIES.

RETURN showing the Number of Fishermen, etc., the Number and Value of Tugs, Vessels and Boats, and the Quantity and Value of all Fishing Gear and other Material used in the Fishing Industry, in the Inland Section of the **Gulf Division**, Province of **Quebec**, during the Year 1913-14.

Number.	Fishing Districts.	Boats.			Gill-Nets.		Lines.		Weirs.		Freezers and Ice-Houses.		Fishing Clubs.		Piers and Wharves.		Persons employed in Freezers, Fish-houses, etc.	
		Sail and row.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Number.
1	Temiscouata County.	12	250	2	1500	21			13	1800	2	500	4	800			12	1
2	Kamouraska	19	1400	3	2300	43			18	2800			8	1400			8	2
3	L'Islet	24	1800	1	950	15			14	3200								3
4	Montmagny	19	950	4	2300	25			18	2400								4
5	Chicoutimi	20	500	3	1800	26												5
6	Charlevoix	12	3000	2	1200	19			14	1500								6
7	Montmorency	1	300	2	900	4			7	1400			10	5000				7
8	Quebec	100	2500	10	9000	100	300	2400			10	1000	25	10000	30	750		8
	Totals.	207	10700	27	19950	247	300	2400	84	13100	12	1500	47	17200	30	750		20

SESSIONAL PAPER No. 39

INLAND FISHERIES

RETURN showing the Quantities and Values of all Fish caught and marketed or consumed locally, for the Inland Section of the Gulf Division, Province of Quebec, during the Year 1913-14.

Numbers.	Fishing Districts	* Salmon, cwt.	Salmon, value.	Trout, cwt.	Trout, value.	Whitefish, cwt.	Whitefish, value.	Striped Bass, cwt.	Striped Bass, value.	Pickarel, cwt.	Pickarel, value.	Pike, cwt.	Pike, value.	Sturgeon, cwt.	Sturgeon, value.	Eels, cwt.	Eels, value.	Herring, cwt.	Herring, value.	Shad, cwt.	Shad, value.	Smelt, cwt.	Smelt, value.	† Mixed Fish, cwt.	Mixed Fish, value.	Numbers.
1	Pemisconata County	12	180	12	180	...	...	...	...	...	...	...	...	5	25	15	75	180	360	10	100	20	60	...	...	1
2	Kamouraska	14	210	4	60	...	...	4	72	15	180	...	...	39	195	45	225	516	1032	12	120	30	90	...	...	2
3	L'Islet	2	30	...	...	12	120	13	234	20	240	...	...	32	160	39	195	...	...	2	20	10	30	...	...	3
4	Montmagny	5	75	...	...	18	180	82	1476	25	300	...	...	253	1245	195	975	...	...	14	140	50	150	...	...	4
5	Chicoutimi	...	...	...	...	...	...	...	...	...	...	50	250	...	...	...	...	...	...	...	...	...	...	...	...	5
6	Charlevoix	17	255	13	195	5	50	...	...	...	...	...	...	48	240	5	25	200	400	12	120	20	60	...	...	6
7	Montmorency	5	75	20	300	19	190	25	450	30	360	...	...	124	620	245	1225	...	...	10	130	25	75	...	...	7
8	Quebec	...	...	500	5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	300	900	...	...	8
	Totals	55	825	549	5735	54	540	124	2232	90	1080	50	250	501	2485	544	2720	896	1792	60	630	475	1365	380	6200	

* Cwt. = 100 lbs. † "Mixed Fish" includes grayling, bull-head, orananiehe, suckers, perch and tom cod.

RETURN showing the Number of Fishermen, etc., the Number and Value of Tugs, Vessels and Boats, and the Quantity and Value of all Fishing Gear and other Material, used in the Fishing Industry in the **Eastern Townships**, Province of Quebec. during the year 1913-14.

Number.	Fishing Districts.	Boats.					Seines.		Hoop-Nets.		Lines.	
		Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Number.	Value.	Number.	Value.
	<i>Eastern Townships.</i>		<i>\$</i>		<i>\$</i>			<i>\$</i>		<i>\$</i>		<i>\$</i>
1	Counties of Chambly and St. John.....	42	630	2	250	42	5	200	54	810	20	100
2	Counties of Missisquoi and Iberville .	40	800	3	375	57	28	1120	.....	.....	12	60
3	Counties of Stanstead and Sherbrooke....	25	500	5	625	35	.....	.....	.....	.....	30	150
4	Counties of Shefford and Brome.....	20	400	1	175	25	.....	.....	.....	.....	18	90
5	Counties of Yamaska, St. Hyacinthe, Bagot and Rouville	50	750	6	750	50	12	180	65	650	25	125
6	Counties of Richmond, Wolfe, Megantic and Beauce	25	250	10	150	25	.....	.....	.....	.....	20	100
	Totals	202	3330	18	2325	234	45	1500	119	1460	125	625

SESSIONAL PAPER No. 39

RETURN showing the Quantities and Values of all Fish marketed or consumed locally, for the Eastern Townships, Province of Quebec, during the year 1913-14.

Fishery Districts.	Salmon.		Trout.		Whitefish.		Bass.		Pike and Cods.		Pike.		Sturgeon.		Fels.		Pogel.		Maskinonge.		Mixed Fish.		Number.
	Salmon.	value.	Trout.	value.	Whitefish.	value.	Bass.	value.	Pike and Cods.	value.	Pike.	value.	Sturgeon.	value.	Fels.	value.	Pogel.	value.	Maskinonge.	value.	Mixed Fish.	value.	
1 Counties of Chamblay and St. John	...	...	...	...	...	...	55	550	47	470	180	1440	25	250	160	1410	460	2300	18	180	672	3360	1
2 Counties of Missisquoi and Iberville	...	...	...	...	88	880	45	450	600	7200	70	560	...	...	...	...	500	3000	...	...	745	4650	2
3 Counties of Stanstead and Sherbrooke	30	600	158	1896	70	700	65	650	80	960	90	720	...	...	42	378	155	930	...	...	320	1920	3
4 Counties of Shefford and Bromfield	...	...	60	720	...	...	78	936	72	720	142	991	...	...	35	315	90	540	...	...	120	600	4
5 Counties of Yamaska, St. Hyacinthe, Beaufort and Rouville	...	...	...	...	10	100	14	528	50	500	75	525	20	200	43	344	130	650	30	300	395	1975	5
6 Counties of Richmond, Wolfe, Megantic and Beauce	...	...	10	120	...	...	15	150	30	300	50	300	...	...	15	105	50	250	...	...	75	375	6
Totals	30	600	228	2736	168	1680	302	3264	879	10150	607	4539	45	450	295	2582	1385	7670	18	180	2357	12880	

*Cwt. 100 lb. Mixed Fish includes grey hms, bull heads and ouraniche.

RETURN showing the Number of Fishermen, etc., the Number and Value of Tugs, Vessels and Boats, and the Quantity and Value of all Fishing Gear and other Material used in the Fishing Industry, from the boundary line, County of **Huntingdon** to **Bellechasse** on the South Shore, and from the County of **Portneuf** to County of **Soulanges**, inclusive, on the North Shore, Province of **Quebec**, during the year 1913-14.

Fishing Districts.	Boats.			Gill-Nets.		Seines.		Lines.		Hoop-Nets.		Weirs.		Ice-Houses.	
	Sail.	Value.	Gasoline	Value.	Men.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
1 Huntingdon, Soulanges, Beauharnois, Van-houtail and Lake St. Francis.	60	600			60			400	400						
2 Lake St. Louis.	20	200			20	10	30	300	300						
3 Laprairie County.	5	50			10			20	20	1	5				
4 Chambly "	20	200			40			50	50						
5 Vercheres "	10	100			20			75	75	30	150				
6 Richelieu "	25	250	2	400	34			200	200	300	1500				
7 Yamaska "	70	700	2	60	75			100	100	1000	5000				
8 Nicolet "	50	500	2	600	54	150	150	200	200	150	750				
9 Champlain and St. Maurice Counties.	40	400			50	30	90	300	300	50	250				
10 Maskinongé and Berthier "	50	500			50	30	60	300	300	500	2500				
11 L'Assomption and Terrebonne "	25	250			25	10	20	250	250						
12 Laval and Lake of Two Mountains Counties	30	300			30			400	400						
13 Hochelaga and Jacques-Cartier Counties.	25	250			25			200	300						
14 Bellechasse County.	50	750			50							30	14900	23	2500
Totals.	480	5050	6	1600	543	230	350	2895	2895	2031	10155	30	14900	23	2500

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RETURN showing the Quantities and Values of all Fish caught and marketed or consumed locally, from the boundary line, County of Huntingdon to Bellechasse on the South Shore, and from the County of Portneuf to County of Soulanges, inclusive, on the North Shore of the Province of Quebec, during the year 1913-14.

Number.	Fishing Districts.															Totals					
	Trout, cwts.	Trout, value.	Whitefish, cwts.	Whitefish, value.	Bass, cwts.	Bass, value.	Pike, cwts.	Pike, value.	Sculpin, cwts.	Sculpin, value.	Eels, cwts.	Eels, value.	Perch, cwts.	Perch, value.	Maskinonge, cwts.	Maskinonge, value.	Catfish, cwts.	Catfish, value.	Mixed Fish, cwts.	Mixed Fish, value.	
1	50	600	30	360	20	100	550	3850	15	225	20	240	20	100	75	225	1
2	250	2500	100	1200	15	180	21	105	...	385	10	200	5	60	8	40	35	105	2
3	25	300	15	180	5	25	15	105	15	75	2	21	2	10	15	45	3
4	6	60	5	60	5	60	6	30	15	105	2	40	2	21	2	10	15	...	...
5	3	30	1	12	5	60	12	60	12	81	6	30	3	36	5	25	250	750	5
6	3	36	18	216	25	125	50	350	35	175	2	24	10	50	200	600	6
7	5	60	20	240	45	225	75	525	75	375	4	45	25	125	1000	3000	7
8	3	30	10	120	50	600	50	200	80	560	60	300	4	45	30	150	150	150	8
9	...	20	...	...	5	60	15	180	15	75	40	280	25	125	4	45	20	100	150	150	9
10	...	20	...	...	2	24	15	180	55	275	90	630	75	375	5	60	15	75	125	375	10
11	...	150	...	...	6	72	10	120	10	50	15	105	12	60	2	21	5	25	45	135	11
12	20	240	15	180	6	30	20	140	12	60	6	72	40	200	20	60	12
13	6	72	5	60	10	50	10	70	10	50	3	36	5	25	25	75	13
14	12	144	12	144	8	40	30	210	20	100	5	60	10	50	15	45	14
15	30	300	...	...	80	360	90	...	600	4200	...	...	...	...	...	...	80	240	15
Totals		190	2850	292	2920	250	3000	260	3120	278	1390	11599	138	2190	67	804	197	950	2585	8055	...

* Cwt. = 100 lbs. "Mixed Fish" includes grayling, bull heads and menamiches.

RECAPITULATION.

OF the Yield and Value of the Fisheries of the **Inland Fisheries** of the Province of **Quebec**, during the year 1913-14.

Kinds of Fish.	Quantity.	Value.
		\$
Salmon..... *cwts.	85	1,425
Trout..... "	967	11,321
Whitefish..... "	514	5,140
Herring..... "	896	1,792
Bass..... "	676	8,496
Pickrel..... "	1,229	14,350
Pike..... "	935	6,179
Sturgeon..... "	977	6,383
Eels..... "	2,496	16,901
Perch..... "	1,823	9,860
Maskinongé..... "	115	1,284
Smelt..... "	455	1,365
Cat-fish..... "	197	985
Shad..... "	60	630
Mixed Fish..... "	5,622	27,735
Total.....		113,846

Quantity Consumed in Canada §.
Quantity exported to U. S. A. ½.

*Cwts. = 100 lbs.

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RECAPITULATION.

OF the Number and Value of Vessels, Boats, Nets, Traps, &c., used in the **Inland Fisheries** of the Province of **Quebec**, during the year 1913-14.

	Number.	Value.
		\$
Boats (sail).....	889	19,080
" (gasoline).....	51	23,875
Gill-nets, Seines and other nets.....	2,499	15,390
Weirs.....	114	28,000
Lines	3,320	5,920
Freezers and Ice-houses	35	4,000
Club Houses.....	47	17,200
Piers and Wharves (private)	30	750
Total.....		114,215

Number of men employed in Vessels or Tugs.....	1,024
" " Boats.....	20
	<hr/> 1,044

RECAPITULATION

On the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state, for the Whole Province of Quebec, during the Year 1913-14.

Kinds of Fish.	Sea Fisheries.				Inland Fisheries.		Marketed, Both Fisheries.		Total Mark- eted Value.
	Caught and landed in a Green State.		Marketed.		Marketed.				
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
		\$		\$		\$		\$	\$
Salmon.....cwts.	12,676	152,112							
" used fresh.... "			10,312	144,368	85	1,425	10,397	145,793	
" salted (dry).... "			1,576	15,760			1,576	15,760	161,553
Lobsters..... "	41,310	206,550							
" canned.....cases.			16,485	313,215			16,485	313,215	
" shipp. in shell.cwts.			100	800			100	800	314,015
Cod..... "	365,052	365,052							
" used fresh..... "			250	375			250	375	
" green salted..... "			13,686	41,058			13,686	41,058	
" dried..... "			112,473	674,838			112,473	674,838	716,271
Haddock..... "	4,680	3,509							
" used fresh..... "			35	70			35	70	
" dried..... "			1,536	6,144			1,536	6,144	6,214
Hake and Cusk..... "	2,400	1,200							
" " dried..... "			800	2,400			800		2,400
Herring..... "	363,649	181,824							
" used fresh..... "			1,325	1,987	896	1,792	2,221	3,779	
" smoke d..... "			4,300	8,600			4,300	8,600	
" pickled.....brls.			10,696	42,784			10,696	42,784	
" used as bait..... "			61,780	92,670			61,780	92,670	
" " fertilizer "			99,038	49,518			99,038	49,518	197,351
Mackerel.....cwts.	23,598	117,990							
" used fresh..... "			75	750			75	750	
" salted.....brls.			7,841	125,456			7,841	125,456	126,206
Shad.....cwts.									
" used fresh..... "					60	630	60	630	
Halibut, used fresh.. "	387	3,096	387	3,096			387		3,096
Flounders..... "	500	250	500	250			500		250
Smelts..... "	12,146	72,876	12,146	97,168	455	1,365	12,601		98,533
Trout..... "	710	7,100	710	8,520	967	11,321	1,677		19,841
Eels..... "	285	1,425	285	1,425	2,496	16,901	2,781		18,326
Tom cod..... "	320	320	320	320			320		320
Whitfish..... "					514	5,140	514		5,140
Bass..... "					676	8,496	676		8,496
Pickereel..... "					1,229	14,350	1,229		14,350
Pike..... "					935	6,179	935		6,179
Sturgeon..... "					977	6,383	977		6,383
Perch..... "					1,823	9,860	1,823		9,860
Maskinongé..... "					115	1,284	115		1,284
Catfish..... "					197	985	197		985
Mixed fish..... "	3,340	6,680	3,340	10,020	5,622	27,735	8,962		37,755
Clams.....brls.	1,111	3,333							
" used fresh..... "			1,111	4,444			1,111		4,444
Tongues and Sounds.....cwts.			63	315			63		315
Capelin (bait or fertili.) "	25,100	6,275	25,100	6,275			25,100		6,275

SESSIONAL PAPER No. 39

RECAPITULATION

OF the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state, for the **Whole Province of Quebec**, during the Year 1913-14—*Continued.*

Kinds of Fish.	Sea Fisheries.				Inland Fisheries.		Marketed, Both Fisheries.		Total Mark- eted Value.
	Caught and landed in a Green State.		Marketed.		Caught and Marketed.				
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
		¢		¢		¢		¢	
Hair seal skins..... No.			4,872	7,308			4,872		7,308
Beluga skins..... "			75	375			75		375
Whales..... "	87	60,900							
Fish oil..... gals.			90,400	27,119			90,400		27,119
Whale oil..... "			147,560	44,268			147,560		44,268
Whale bone..... cwts.			240	4,800			240		4,800
Whale fertilizer. tons.			244	85			244		85
Totals		1,190,492		1,736,581		113,846			1,850,427

RECAPITULATION.

OF the Number of Fishermen, etc., and of the Number and Value of Fishing Vessels, Boats, Nets, etc., in the **Whole** Province of **Quebec** for the Year 1913-14.

	Sea Fisheries.		Inland Fisheries.		Total-Both Fisheries.	
	Number.	Value	Number.	Value.	Number.	Value.
		\$		\$		\$
Steam Fishing Vessels (tonnage 360)..	3	48,000	.....	.....	3	48,000
Sailing & Gasoline Vessels.....	29	25,300	.....	.....	29	25,300
Boats (sail).....	4,213	222,152	889	19,080	5,102	241,232
" (gasoline).....	196	65,900	51	23,875	247	89,775
Carrying Smacks.....	9	7,950	.....	.....	9	7,950
Gill Nets, Seines, Trap & Smelt Nets, &c	11,556	255,052	2,499	15,390	14,055	270,442
Weirs.....	143	11,780	114	28,000	257	39,780
Trawls.....	676	5,015	.....	.....	676	5,015
Hand Lines.....	19,235	15,957	3,320	5,920	22,555	21,877
Lobster Traps.....	160,380	160,380	.....	.....	160,380	160,380
Lobster Canneries..	115	54,975	.....	.....	115	54,975
Freezers and Ice-houses.....	277	22,150	35	4,000	312	26,150
Smoke and Fish-houses.....	1,120	255,930	.....	.....	1,120	255,930
Fishing Piers and Wharves.....	290	131,115	30	750	320	131,865
Club Houses.....	.....	.....	47	17,200	47	17,200
Whaling Stations.....	1	50,000	.....	.....	1	50,000
Totals .....	.....	1,331,656	.....	114,215	.....	1,445,871

	Sea Fisheries.	Inland Fisheries.	Total.
Number of men employed on Vessels.....	149	.....	149
" " Boats.....	7,985	1,024	9,009
" " Carrying Smacks.....	19	.....	19
" persons employed in Fish-houses, Freezers, Canneries, &c	1,776	20	1,796
Totals.	9,929	1,044	10,973

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APPENDIX No. 5.**ONTARIO**

DISTRICT No. 1.—COMPRISING RAINY RIVER, THUNDER BAY, PARRY SOUND, &c., DISTRICTS. INSPECTOR, T. J. FOSTER, SAULT STE. MARIE, ONT.

DISTRICT No. 2.—COMPRISING PART OF THE COUNTY OF BRUCE, THE COUNTIES OF HURON, LAMBTON, ESSEX, KENT, ELGIN, &c., AND LAKES HURON, ST. CLAIR AND ERIE. INSPECTOR, O. B. SHEPPARD, TORONTO, ONT.

DISTRICT No. 3.—COMPRISING LAKE ONTARIO AND THE EASTERN COUNTIES OF THE PROVINCE. INSPECTOR, J. S. HURST, BELLEVILLE, ONT.

N.B.—The Fisheries of Ontario are administered by the Provincial Government. This Department merely exercises a general supervision.

REPORT ON THE FISHERIES OF DISTRICT No. 2.

To the Superintendent of Fisheries,
Ottawa, Ont.

SIR,—I have the honour to submit my report on the Fisheries of my District for the season 1913-14.

Commercial fishing has been about an average with former years excepting for herring in Lake Erie which shows an increase.

The angling sportsman Fisheries has been very good in most waters especially in waters removed from the thickly populated Districts.

In my visits to the various localities in my District I have heard many comments on the exhibit given by the Department at the Canadian National Exhibition last year and nothing but words of praise were expressed in regard to the same and I am satisfied that it will be the means of doing a great deal to introduce fish as a more general food through Ontario and am sure it will be a lasting benefit and a great saving to the people in general and will have the effect of fish taking the place to some considerable extent of meat which has lately been so high priced (and is continually advancing) that it has kept many of the poor and medium classes from using it to the same extent as formerly. I am pleased that the Exhibit is being continued by the Department this year and am sure it will have very beneficial and lasting effects.

I find that the law has been generally well observed and that American tourists are very much more careful in regard to the size and number of fish caught than they were in former years.

The price received by fishermen this season is practically the same as last with the exception of blue pickerel which has been considerably lower.

All of which is respectfully submitted.

Your obedient servant,

O. B. SHEPPARD,
Inspector of Fisheries.

5 GEORGE V., A. 1915

REPORT ON THE FISHERIES OF DISTRICT No. 1.

To the Superintendent of Fisheries,
Ottawa, Ont.

SIR,—I have the honour to submit my Report on the Fisheries of the North-West Division of the Province of Ontario for the fiscal year 1913-14.

I am pleased to report a continued improvement in the Fisheries of this District. Commercial fishing was equal to, and in many cases exceeded that of previous years, especially that of white fish. Game fishing also was better than hitherto and tourists report good catches of Brook Trout and Bass. No serious infractions of the Laws have been reported except in the St. Mary's River, and in the vicinity of St. Joseph Island where American poachers continue to trespass when not closely watched.

I regret that no close season has yet been made for Rainbow Trout which afford so much sport and abound in the St. Mary's River Rapids. Grey Trout also now quite numerous should be protected.

I find the fishery laws generally are being efficiently enforced.

I am, Sir,
Your obedient servant,

T. J. FOSTER,
Fisheries Inspector.

REPORT ON THE FISHERIES OF DISTRICT No. 3.

To the Superintendent of Fisheries,
Ottawa.

SIR,—I have the honour to submit my report on the fisheries in my district for the fiscal year 1913-14. Commercial fishing in my district has been very good. There was a very good catch of white fish in Lake Ontario and Bay of Quinte also a large catch of herring.

White fish are on the increase in Bay of Quinte; which is due largely to restocking. Coarse fish such as carp, catfish, bullheads, and perch show an increase over last year for which fishermen found a ready market at fair prices.

I have visited most of the fishing stations and found the law well respected: The provincial officers with their patrol boats are doing good work.

I would be very much pleased to see more fishways in this district as bass and pickerel naturally go up stream to spawn.

Anglers have enjoyed excellent sport after bass and trout which were plentiful during the past season.

The new hatchery erected by your department on Bay of Quinte will be ready to receive spawn this fall and I feel satisfied that great benefit will be derived in a few years.

I am, Sir,
Your obedient servant,

J. S. HURST,
Inspector of Fisheries.

WM. A. FOUND, Esq.,
Superintendent of Fisheries,
Ottawa.

SESSIONAL PAPER No. 39

SUMMARY

Of the Yield and Value of the Fisheries in the Province of Ontario, during the year 1913-1914.

Kind of Fish.	Quantity.	Value.
		\$
Salmon.....*cwts.		
Trout....."	62,204	579,832
Whitefish....."	52,263	520,123
Herring....."	130,718	658,038
Bass....."		
Pickarel....."	26,564	265,645
Pike....."	34,547	276,378
Sturgeon....."	2,535	38,022
Eels....."	2,370	14,221
Perch....."	12,427	62,137
Maskinonge....."		
Tullibee....."	5,738	34,429
Cat-fish....."	5,264	42,115
Carp....."	6,721	33,606
Mixed Fish....."	28,291	141,456
Caviare....."	84	8,411
Sturgeon Livers.....No.	453	272
Total.....		2,674,685

* Cwts. = 100 lbs.

RECAPITULATION

Of the number and Value of Vessels, Boats, Nets, Traps, etc., used in the Fisheries in the Province of Ontario, during the year 1913-1914.

	Number.	Value.
		\$
Steam Vessels or Tugs.....	190	433,180
Boats sail).....	1,224	101,631
" gasoline.....	366	166,660
Gill-nets, Seines and other nets.....	52,613	645,353
Spears.....	103	260
Lines (of 100 hooks).....	463	627
Freezers and Ice-houses.....	333	130,500
Piers and Wharves (private).....	91	28,370
Totals.....		1,506,581

Number of men employed in Vessels or Tugs..... 744
..... 2,767
..... 3,511

APPENDIX No. 6.

MANITOBA

REPORT ON THE FISHERIES OF THE PROVINCE.

To the Superintendent of Fisheries,
Ottawa, Ont.

SIR,—I have the honour to submit my Annual Report on the fisheries of the Province of Manitoba, and a part of the Province of Saskatchewan, for the fiscal year ended March 31, 1914, together with the statistical returns showing the yield and value of the catch.

Heavy storms caused a falling off in the quantity of whitefish taken from Lake Winnipeg during the summer. The fish taken were, however, of a fair size. Winter fishing this lake was not so successful as in the previous year. The lake was late in freezing up, and then storms broke the ice after the fishermen had their nets set.

The Fishery Overseer of Lake Winnipegosis reports that whitefish and pickerel were not nearly so plentiful as they were in the preceding year. There was also a diminished catch of whitefish and pickerel in Lake Manitoba; while in Lake Waterhen there was a small decrease in the quantity of whitefish, but an increase in pickerel. The catch of whitefish in Clearwater and Cormorant lakes was slightly greater.

From a small lake called Red Deer, fished this year for the first time, there were taken 42 cwts. of whitefish. Fishing on Lake St. Martin was much better this year than in the preceding year.

The Saskatchewan river was fished during the summer and fall with seines, chiefly as a test of whether it would pay to fish commercially in this way; also to see what effect this style of fishing would have. Fishery Overseer Stevenson reports that so far as can yet be known there are no bad effects from the operations of seines.

Beaver lake which lies ninety miles north-west from The Pas was fished this year for the first time for commercial purposes. There were fourteen licenses issued, and about eleven car-loads of fish taken from it.

Fishery Overseer Stevenson reports that the whitefish in Cormorant and Clearwater lakes are very small, and he would recommend the closing of these lakes.

The law has been very well observed, with a few exceptions. I seized a quantity of whitefish on the Little Saskatchewan spawning grounds last winter; also a quantity of jackfish that were caught in Oak lake in Southern Manitoba. The Overseers report that the ice was well cleaned on the lakes after the winter fishing was over.

There has been no addition to the number of vessels or boats operating in the Provinces, but there has been a development in fish culture. A large hatchery was built on Dauphin river last year, and the weekly reports show that a large amount of fry was hatched out. Under orders from the Department I took from the Selkirk hatchery thirty-two cans of young whitefish and placed them in Lac du Bonnet; also sixteen cans which I placed in Shoal lake, near Shoal lake station,—each can contained 8,000 whitefish.

I am, Sir,
Your obedient servant,

J. A. HOWELL,
Inspector of Fisheries.

SESSIONAL PAPER No. 39

RETURN showing the Number of Fishermen, &c., the Number and Value of Tugs, Vessels and Boats, and the Quantity and Value of all Fishing Gear and other Material, used in the Fishing Industry in the Province of Manitoba, during the year 1913-14.

Fishing Districts.	Steam Vessels or Tugs.				Boats.				Gill Nets.		Seines.		Lines.		Freezers and Ice-houses.		Smoke and Fish-houses.		Piers and Wharves.		Persons employed in Freezers, Fish-houses, &c.	Number.
	Number.	Tons.	Value.	Mhp.	Sails and sail.	Value.	Caselles.	Value.	Mhp.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.			
1 Lake Winnipeg	2	577	7,000	80	275	22010			438	3838	38380		50	12500	54	25000	12	9100	200	1		
2 Red River					69	345			93	93	930										2	
3 Lake Winnipegosis	1	60	1000	12	63	3390			196	2262	22620		6	4500	13	4500	3	125	75	3		
4 Waterhen									21	225	2250				1	100					4	
5 Dauphin									6	68	680										5	
6 Manitoba									160	1000	10000				5	750					6	
7 St. Martin									88	880	8800										7	
8 Moose Lake									3	30	300										8	
9 Clearwater Lake									15	150	1500										9	
10 Cornucopia Lake									7	84	840										10	
11 Squigon Lake									6	60	600										11	
12 Rocky Lake, Northern Man.									5	56	560										12	
13 Big Lake, River, Northern Man.							33000		17	170	1700		1	10000	2	4000			10	13		
14 Winnipeg River					1	5			1	5	50										14	
15 Beaver Lake									11	126	1260										15	
16 Lake Red Deer									3	34	340										16	
Total	9	637	85000	92	408	25750	33000		1070	8928	89280	3	210	57	57000	71	31350	15	9225	286		

RECAPITULATION.

Of the Yield and Value of the Fisheries in the Province of Manitoba, during the year 1913-14.

Kinds of Fish.	Quantity.	Value.
		\$
Trout... ..	*cwts. 1,505	7,525
Whitefish... ..	" 38,243	229,391
Pickarel... ..	" 31,024	155,020
Pike... ..	" 18,756	56,268
Perch... ..	" 243	972
Tullibee... ..	" 13,844	27,696
Cat fish... ..	" 648	3,240
Goldeyes... ..	" 5,089	12,721
Mixed Fish... ..	" 57,576	113,439
Totals... ..		606,272

Quantity Consumed in Canada $\frac{1}{4}$.
Quantity exported to U. S. A. $\frac{3}{4}$.

* Cwts.=100 lbs.

RECAPITULATION.

Of the Number and Value of Vessels, Boats, Nets, Traps, etc., used in the Fisheries in the Province of Manitoba, during the year 1913-14.

	Number.	Value.
		\$
Steam Vessels or Tugs... ..	9	85,000
Boats (sail)... ..	408	25,750
Boats (gasoline)... ..	3	3,000
Gill-nets, Seines and other nets... ..	8,931	89,490
Lines... ..	56	112
Freezers and Ice-houses... ..	57	57,000
Smoke and Fish-houses....	71	34,350
Piers and Wharves (private)... ..	15	9,225
Totals... ..		303,927

Number of men employed in Vessels or Tugs... ..	92
" " Boats....	1,070
" persons employed in Fish-houses, Freezers, etc.....	286
	1,448

APPENDIX No. 7.

SASKATCHEWAN AND ALBERTA

REPORT ON THE FISHERIES OF THE PROVINCES, BY CHIEF
INSPECTOR E. W. MILLER, FORT QU'APPELLE.

The Superintendent of Fisheries,
Ottawa.

SIR,—I have the honour to submit the following reports on the fisheries of the Provinces of Saskatchewan and Alberta for the fiscal year 1913-14, together with the statistical returns showing yield and value of fish and amount, etc., and value of material used.

There was an increase of no less than forty three per cent in the numbers of net licenses issued, over the figures for the previous year, and while this increase is partly due to the greater efficiency with which the fishery regulations have been carried out it affords ample proof of the development of the fishery resources of the two provinces.

At least eighty per cent of the catch of fish by nets is taken in the winter season through the ice, and it will be noted that the yield of whitefish is mainly responsible for the increase in the total output of fish; though there was also a good increase in the catch of pike.

There has been a considerable extension of the field of operations and the greater catch does not mean that the waters in the older settled districts are being overtaxed. In fact the shortening of the fishing season in the southern portion of the province has been most beneficial and the catch per net per setting shows that lakes in which the effect of over fishing had become evident, are now recovering owing to the fuller measures of protection at spawning seasons.

The steady growth in angling as carried on in the more accessible waters is very marked both for the coarser fish as well as for trout. For the first mentioned no license or permit is required and it is impossible to do more than give an approximate estimate of the catch made in that way as formed by the local guardians doing their rounds. In the Trout waters where an 'Angler's Permit' is required, the issue of such was nearly three hundred per cent larger than in 1913 but here again allowance must be made for the far greater efficiency with which it has been possible to enforce that part of the Fishery Regulations affecting the taking of sporting fish. At present it would appear that the increased protection at spawning time, was enabling the streams to sustain the inroads of the ever increasing army of anglers, but it is evident that the establishment of hatcheries of which there are two now in operation, was fully warranted by the extremely large amount of angling which is now done in our trout streams.

LICENSES ISSUED 1913-1914.

	Saskatchewan.	Alberta.
Domestic	231	192
Fisherman's	405	259
Commercial	9	5
Anglers' permits	Nil.	3,674

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That a much closer oversight of the fisheries is gradually being secured is clearly evidenced by the statement of prosecutions for the year, no less than one hundred and thirty convictions having been secured.

The offences charged were as follows:—

Fishing in close season.. . . .	73
Fishing without license.. . . .	36
Spearing fish.. . . .	4
Using fish traps.. . . .	5
Fishing with illegal nets.. . . .	5
Fishing excess of nets.. . . .	5
Fishing in closed waters.. . . .	2

Ninety-five of these cases arose in Saskatchewan and thirty-five in Alberta. The total amount of fines inflicted with value of fish confiscated and sold amounted to \$1,590.

A very large number of applications has been received for the stocking of waters with fish by the Department, and examination of these lakelets is being made by the officers of the Department as time and circumstances permit.

Of such as have been visited, only a small proportion offer any fair promise of success and they only for fish of the coarser species, whereas the applicant generally desires Trout or Whitefish. There are, however, in the aggregate a fairly large number of lakes the extent and quality of whose waters warrant an experimental planting of fish and I would strongly recommend that an appropriation be made to enable such to be made, preference to be given to such cases as where the faith of the applicant is evinced by a readiness to give practical assistance in the transport of the fish, etc.

The Indian and Halfbreed problem still remains unsolved, in some districts, where they have been accustomed to take fish by any means and at any season. As pointed out in former years so long as the lakes are not accessible to white fishermen they are perhaps able to withstand the results of such fishing, the total demand being but limited. When such districts become settled or even brought within a hundred miles of some railway shipping point the demand for fishery privileges so as to supply the local and provincial markets cannot be reasonably restricted. To enable the lakes to stand such fishing they must be protected during the spawning seasons and wasteful methods of fishing must give way to the more orthodox. It seems but right that the special claims of the native residents shall not be allowed to stand in the way of the development of the fisheries to the best advantage and general welfare, even if their necessities have to be provided for in other ways.

The conditions affecting the fisheries generally have changed but little since last year and having been very fully dealt with in my last report, it is unnecessary to repeat the same on this occasion.

SOUTH SASKATCHEWAN

The main fishing lake in this part of the province is Long or Last Mountain lake where 148 licenses were issued. Though nearly all the men fishing here take Fishermen's licenses and sell the larger portion of their catch, they are mostly farmers who fish in the winter only and then but intermittently. Under these conditions the total catch made is not in excess of the capacity of the lake.

In the lower Qu'Appelle lakes whitefish form only a small part of the catch and the use of nets is to be confined to the winter season in future on account of the greater amount of angling done.

At Lac Pelletier the applications for licenses are so numerous that none but Domestic licenses are issued and they only for the winter season.

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The numerous small lakes along the Canadian Northern Railway north of the Qu'Appelle contain but coarse fish and are not capable of sustaining much net fishing. Licenses are granted for the use of nets on such as contain Mullet only but the Pike and Pickerel waters are reserved for angling.

For a month before the close of the winter fishing season on February 15, the weather was extremely severe and but little fishing was done. It was felt by the fishermen that while the closing of the season at that date may be necessary at remote lakes where a long haul to market is required, the season could be safely extended to the end of February for lakes in settled districts where an immediate market is secure and no waste of fish to be apprehended.

The selection of a site for a Whitefish hatchery and assurance of its being in running order for next season is viewed with much satisfaction; while the intention to experiment with the planting of Black Bass in ponds in connection with the hatchery is heartily welcomed by all those interested in the introduction of game fish to Saskatchewan waters.

From some of the lakes, representations have been received that the proportion of Whitefish in their waters does not warrant the maintenance of the 5½-inch mesh standard of nets. There is some truth in these statements and it will be desirable perhaps to allow the use of smaller mesh nets in some instances, though the general permission of such in lakes suitable for Whitefish cannot be recommended.

NORTH SASKATCHEWAN

The outstanding features in the fishery operations in this district was the very mild weather and absence of snow which prevailed well into January.

This bid fair to bring disaster upon the season's work as though the catch was excellent, it was impossible to convey it to the market until sleighing came and in the meantime the fish deteriorated in quality and contracts for supplies could not be fulfilled. Eventually the whole catch was marketed without the actual wastage at one time feared, but both fishermen and wholesalers suffered by the delay.

Ile la Crosse and Dore lakes, which are the two districts giving the principal output of fish at present, were particularly affected by this unwonted failure of snow.

Jackfish and Turtle lakes both showed signs of returning fecundity, and a good catch was made in proportion to the fishing done on them.

Lac des Iles was fished for market purposes practically for the first time. The catch was good but the transport difficulties prevented the fishermen reaping much reward.

A detailed report on this district by Inspector MacDonald is appended.

SOUTH ALBERTA

The desire of the Department to secure fuller protection of the Trout streams which form the great fishery asset of this part of the province was evinced by the appointment of six additional guardians whose work has unquestionably had an excellent effect.

Some difficulties arose from the fact that the upper waters of most of these streams are within the forest reserves controlled by the Department of the Interior, but it is now agreed that the fishery regulations are to have equal force within the reserves as without.

Note has already been made of the great increase in the number of Angler's Permits that were issued, which reached a total of 3,674.

Overseer Hoad of Calgary furnishes the following detailed report:—

SESSIONAL PAPER No. 39

639 6th Avenue West,
Calgary.E. W. MILLER, Esq.,
Chief Inspector of Fisheries,
Fort Qu'Appelle.

SIR,—I herewith present to you my report for 1913 of Southern Alberta.

The season just closed has been the most successful one for a great many years, fish being very plentiful in all open waters; which I believe should be attributed to the close season having been well observed the last two years. I am looking forward to next year being equally as good, as the anglers themselves are very interested in seeing the regulations properly carried out.

The number of anglers taking out permits increased from 1,250 in 1912, to 3,500 in 1913, and I have very little doubt that next year it will increase to 5,000.

I estimate the number of anglers fishing in the different streams as follows:—North Fork of Old Mans river 600, South and Middle Forks of Old Mans river 300, Pincher and Beaver creeks 200, Lees and Boundary creeks 100, High river Flat and Sullivan creeks 300, Sheep creek 300, Elbow river 300, Fish creek 300, Bow river 400 and Jumping Pound creek 200. The number of fish caught in the different streams are approximately as follows:—Pincher and Beaver creeks 10,000 cut throat trout, 1,500 grayling, North Fork of Old Mans river 30,000 cut throat, 2,000 grayling, South and Middle Fork of Old Mans river 10,000 cut throat, 1,000 grayling, Lees and Boundary creeks 5,000 cut throat, 1,000 grayling, High river 25,000 cut throat, 10,000 grayling, Sheep creek 20,000 cut throat 3,000 grayling, Fish creek 20,000 cut throat, 1,000 grayling, Elbow river 15,000 cut throat, 2,500 grayling, Jumping Pound creek 15,000 cut throat, 2,000 grayling, Bow River 25,000 cut throat, 10,000 grayling.

Good pike fishing was obtainable in the different lakes during the season, but exceptionably good fishing was to be had in Chestermere lake, eight miles east of Calgary, where there were about 4,000 fish taken, averaging three pounds in weight.

There were 15 convictions during the year, for violations. Three fishing during closed season, ten fishing without a permit and two for fishing in closed waters.

I am able to report that there is a plentiful quantity of fish in Trout and Willow creeks and the Middle and South Forks of High river; which have been closed for the last two seasons, and with proper protection will provide good angling in the future.

During the month of August Mr. L. C. Orr of Banff gave me half a dozen Nippigon trout, which he caught in the Bow river near Banff. I deemed it advisable to report this as I am informed that they are getting plentiful, and it may be of value for the department to know this.

The different guardians appointed during the summer have given very efficient service and I am pleased to report that the majority of anglers seem willing to give them every assistance possible. The officers and men of 'D' division R. N. W. M. P. under Supt. P. C. H. Primrose have given a great deal of assistance during the year.

I have the honour to be, Sir,
Your obedient servant.N. J. HOAD,
Fishery Overseer.

NORTH ALBERTA

In this part of Alberta considerable difficulty is being experienced in satisfying the claims of those desiring to procure licenses on those lakes which are within easy access, as the applications are now in excess of the capacity of the lakes. The catch of fish made is probably not far from the limit of that possible without danger of exhaustion, except at the remoter points.

Towards the close of the season railway facilities were available for the transport of fish from the eastern end of Lesser Slave lake and there is reason to think that this lake too will soon be fished to its limit.

Wabamun, Calling, Primrose and Cold lakes all gave a largely increased catch and the minor lakes are shown to be in a sound condition.

A further extension of guardianship has become necessary in the new western districts recently opened up which contain many small lakes of local value though none of such importance as to promise any supply for other demands.

Applications were received for fishery privileges at Athabasca lake, but these were evidently with the future in view, as at present there is no means by which fish could be brought out at a profit. This great lake promises to become a big source of supply as soon as railway transport is available within a reasonable distance.

A detailed report on this district by Inspector Willson is appended.

I am, Sir,

Your obedient servant,

E. W. MILLER,
Chief Inspector of Fisheries.

REPORT ON THE FISHERIES OF NORTHERN SASKATCHEWAN, BY THE INSPECTOR OF FISHERIES.

To E. W. MILLER, Esq.,
Chief Inspector of Fisheries,
Fort Qu'Appelle, Sask.

SIR,—I have the honour to submit my report on the fisheries for the northern portion of the Province of Saskatchewan for the year ending thirty-first of March, nineteen hundred and fourteen, together with Statistical returns showing the yield and value of fish, etc., amount and value of equipment.

The weather conditions were most favourable for the fishermen on the ice, but not at all advantageous for hauling fish to the railroads for shipping, on account of the lateness of the arrival of the snow, which did curtail operations after January tenth considerably, as there was grave doubts if the first catch could be hauled to the railroads. However, the total catch on some lakes did exceed the previous year.

There were some eighty licenses issued more this year than the preceeding year, due no doubt to the scarcity of other employment throughout the Province, and especially the winter months when work was not as readily procured in the lumber camps as on previous winters.

During this year, there were eighty-three convictions and 15,669 pounds of fish seized, and 850 fathoms of net seized, the principal offence being, fishing without permits, and during closed season, the principal offenders being experienced fishermen. Fines were imposed and collected to the amount of \$780 and a further \$368.55 was realized from the sale of the confiscated fish and nets. The offences charged were as follows:—



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Fishing in closed season.. . . .	45
Fishing without licenses.. . . .	28
Use of illegal nets.. . . .	5
Use of over allowance of nets.. . . .	5

Some of the defendants were fined on two and three separate charges and no doubt will have a good effect on fishermen in future seasons. I may say, with few exceptions, fishermen seem to be satisfied with the fishing regulations as they are at present with the exception of a few lakes, where the white fish are of a poor quality, and average about 1½ pounds each. On these lakes, I would recommend a smaller mesh of net be allowed say 4 or 4½ inch mesh. This applies particularly to La Ronge lake. The Indian or half breed is no doubt taking the advantage of this ready market for their fish. Especially is this noticeable on Isle La Crosse lake as only some four domestic licenses have been issued where some fifty fisherman's licenses were taken out, and no doubt the Indians would fish for commercial purposes on Lac La Ronge, if a market were available and shorter winter roads opened up. This I did expect and as a result some eight Indians took out fishermen's license for that lake.

The total catch of white fish for this season was practically the same as 1912-1913, but, on account of the climate conditions, did not return the same amount of money to the fishermen as in the early part of the winter. The mild weather brought prices down considerably.

Dore lake produced by far the largest quantity of fish that was shipped to other points. On Isle La Crosse lake there was a larger increase in the catch than previous years, while only about half the winter catch was sent to outside markets, the balance being consumed by the settlers living around this large body of water.

Jack Fish and Murray lakes shows considerable increase over last year with fewer licensed fishermen, due principally to the large amount of angling done on this lake during the summer season.

Candle lake shows a small increase in the white fish catch but a decrease in the pike with some five fishermen less than the previous year.

The Saskatchewan river shows a large decrease in pike, but a larger increase in coarse fish.

The total catch for this portion of the Province shows an increase of 1,800 cwts., over last year, partly due to more accurate returns being sent in.

On only two lakes were any fish caught for commercial purposes during the summer season, namely Jack Fish lake and Stoney lake. On the former some 168 cwt., of white were sold in the vicinity of Battleford and on the latter lake 520 cwt., of white fish and 35 cwt. pike were shipped to the fish dealers at Prince Albert and Saskatoon, with a few odd shipments to smaller points. The demand for fresh caught white fish did exceed this supply to a great extent.

Our great difficulty regarding summer fishing is the great irregularity in shipments, caused by various reasons, but its principal reason being the bad conditions of the trails leading to the lakes. One instance I might mention, Stoney lake situated some six miles from the railroad at Big river and the freighters could only haul 400 pounds of fish per team of horses per trip, and very often it required the greater part of a day to make the trip, more especially during wet weather. It is a very regrettable fact, owing to the beautiful white fish we have in this Province that it is necessary to pay carriage on fish from other Provinces.

Regarding fish caught during closed season for the purpose of hanging, I may say I did not see or hear of any being hung. On my trip to Lac La Ronge via Montreal lake during the month of February, I called at the homes of a great majority of Indians and half breeds, but failed to see any fish being treated so.

The Indians are no doubt put to a great disadvantage in being disallowed this privilege, particularly for hunting and travelling long distances as they depend entirely

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upon dogs as a means of transportation during the winter months. On a trip of say, eight days they require ninety-six fish for a team of four dogs, three fish for each dog per diem. Ninety-six fresh fish weigh about three hundred pounds, while ninety-six hung fish weigh about one hundred pounds. The reason is obvious. This is undoubtedly the most serious question to be considered in the far northern parts of this Province, the hanging and drying of white fish during the spawning season. It is impossible with the present staff of fishery officers to watch more than a fringe of the northern lakes. Outside that fringe white fish are being hung every Fall as they have been for hundreds of years. By this I mean of course the lakes lying north of the Churchill river, such as Cree lake and hundreds of other lakes throughout that section. So far as Portage La Lock and Isle La Crosse and the Lac La Ronge districts are concerned, we are in a position to see that the law is enforced.

Re the stocking of inland lakes; during the year I inspected five lakes reporting favourably on four and unfavourable on one, and from the present indications this work will require considerable time and expense in the near future, and no doubt will be of great benefit to districts isolated from waters containing fish life.

I would strongly recommend some suitable fish being put into the Saskatchewan rivers, as this water flows through a portion of the country to a great extent not inhabited with any great quantity of fish and no doubt a suitable fish could be selected that would do well in its waters, and moreover, fish could migrate up other smaller streams to lakes which would be a great asset to the particular district such fish would inhabit.

In this district there are six dams, four containing fishways and two without situated as follows:—

On Turtle river four miles from Turtle lake with fishway.

On La Plonge river at Beaver river no fishway.

On Red river at Anglin lake, with fishway.

On Red river, south of Anglin lake, with fishway.

On Sturgeon river at Sturgeon lake, with fishway.

On Carrot river near Village of Kinistino, no fishway.

I may say regarding dams with no fishway, at La Plonge river the Roman Catholic mission has had instructions to construct a proper fishway there. At Kinistino village on the Carrot river the Canadian Northern railroad I presume, have had instructions to construct one there and no doubt in the course of a very short time all dams in this district will contain proper fishways.

Return figures show that only some 575 cwt. of fish were exported to the U.S.A., markets, but no doubt larger quantities are re-shipped by the Winnipeg dealers.

Some 400 cwt. or two cars were shipped to eastern Canada markets, the balance of shipments were marketed in Manitoba, Saskatchewan and Alberta. Pike and even suckers were shipped to some isolated points through the Province demanding practically the same price as whitefish.

In regard to the Statistical returns of boats, my report shows 254 sail or row boats and 9 gasoline boats. On Wakaw lake boats are used for pleasure and for fishing and cannot be called fishing boats while on Stoney lake and Candle lake boats may be called exclusive fishing boats.

The returns show all boats which might be used exclusively or partly for fishing purposes. Of the nine gasoline boats four are used exclusively for fishing purposes. The great majority of boats on the Saskatchewan rivers are used exclusively for fishing purposes. On Isle La Crosse lakes the boat or canoe is the only means of travelling. It is also the only means of fishing during the summer season as there is practically no angling done on that lake and a boat is absolutely necessary in order to set a net.

I am, Sir,

Your obedient servant,

G. C. MACDONALD,

Inspector of Fisheries.

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REPORT ON THE FISHERIES OF NORTHERN ALBERTA, BY THE
INSPECTOR OF FISHERIES.

To E. W. MILLER, Esq.,
Chief Inspector of Fisheries,
Fort Qu'Appelle, Sask.

SIR,—I have the honour to submit my report of the fisheries of Northern Alberta for the year 1913 and 1914, with statistics.

By comparison of these statistics with those of the previous year, it will be seen; that more men have been employed, and that a larger capital has been invested in boats, nets, and buildings, than in the year 1912 and 1913, in these proportions. For 1912 and 1913, \$7,271. For 1913 and 1914, \$15,978.

The earnings of fishermen for the past year have increased over those of the previous year proportionally, the catch being for 1912 and 1913, 11,061 cwt., valued at \$40,231. For 1913 and 1914, 20,143 cwt., valued at \$65,707, an increase of 9,082 cwt., valued at \$25,476.

The increased attention to fisheries in Northern Alberta may be attributed:—

(1st) To a larger demand for fish, created by increased population, especially of towns, as well as the high prices for other foods; prevailing.

(2nd) Somewhat improved railway facilities, and improvement of country roads.

(3rd) Lack of employment which induced men who had not been fishermen, to take up the work.

(4th) Greater skill acquired by fishermen, better equipment and more knowledge of fishing conditions of some lakes; have also conduced to more successful fishing.

The Red Deer District, comprising Gull, Sylvan and Burnt lakes and their tributaries, all emptying into the Red Deer river; which only contain jackfish, pickerel, and suckers; is but little fished by nets. In Gull lake one fisherman's license was held, though a net was not used, the holder using baited hooks. This license will not be renewed for the ensuing year. These waters being situated in a well settled country, in which are several towns and villages, should be generally reserved for angling; particularly is this so of Gull lake and Sylvan lake, which have become summer resorts.

The Pigeon Lake District, comprising Pigeon, Battle, Buck, and Conjuring lakes, with their tributaries and effluent streams; the two former emptying into the Battle river, the two latter into the North Saskatchewan; is of considerable importance. Pigeon, Battle, and Buck lakes contain whitefish of superior quality; and Conjuring lake is well stocked with jackfish.

Because of the comparatively small area of these waters, even with the present settlement, they can only supply the local demand of Wetaskawin, and other surrounding settlements. The whitefish of Pigeon lake have been for several years greatly depleted, as compared with earlier years, but statistics obtained, and Overseer L. Ingram Wood's annual report show that decrease of whitefish is not going on now.

Although fewer licenses were issued for Pigeon lake during the past year than during the previous one, an increased quantity has been caught. No fishing operations other than that under domestic licenses and by angling, are carried on during summer in the Pigeon lake district.

Buffalo lake is situated on the watershed between the Battle river and Red Deer river, emptying into the latter stream, and is of considerable area spreading over Townships 40 and 41, Ranges 20 and 21 west of the fourth principal Meridian. It contains only jackfish and mixed fish. Although during the past year there appears to have been caught in it, rather more than double the quantity of the previous year, this does not indicate that the lake is better stocked; but is rather to be attributed to the fact, that it was fished by twice as many men as in the previous year. The smaller size of fish caught, and poorer catch reported by anglers, indicate a diminution of fish. From my investigation made in this district in March last, I am convinced that there is some truth in reports which have reached the Department of illegal fishing in

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Buffalo lake; though I was unable to procure evidence to justify prosecutions. Fishing during winter was largely carried on within shacks or tents, with hooks, through holes in the ice. Many of these shacks were so constructed, as to easily conceal illegal practices, such as the use of lights, snares, or spears. It may be necessary in future either to forbid the use of shacks on the ice, within which fishing is done; or if allowed, they should be so built, as to be open on one side while fishing is being done, so that illegal fishing may not be so easily concealed. As Buffalo lake is in a well settled country, within easy reach of thriving towns, and provided with railway service; the market is good. The recent order that for the summer of 1914, fishing be restricted to angling will have a good effect.

The Beaver Hills District, comprising Beaver, St. Joseph, Oliom, Ministick and Cooking lakes, all emptying through Beaver lake and Beaver creek into the North Saskatchewan river, is a fairly well settled country, where the local demand is equal to if not greater than the supply these lakes are capable of. They only contain coarse fish, though whitefish are occasionally caught in Beaver lake, where they are said to have been plentiful formerly. Though Beaver lake and Cooking lake are somewhat depleted, compared with former years, I do not think the stock is now decreasing. Angling in Beaver lake, and Cooking lake which is a summer resort near Edmonton, is of growing importance, as a sport.

The Wabuman lake district is of great present importance, situated on the G. T. P. railway about forty five miles west of Edmonton. Wabuman lake is the only lake of Northern Alberta producing whitefish, and provided with railway service, and consequently the only source of local supply of whitefish to the towns of Alberta in summer. The importance of its fisheries may be judged from the fact, that during the fishing seasons of 1913 and 1914, 3,372 cwt. were caught, of which 2,896 cwt. were whitefish, an increase of 1,119 cwt. more than the catch of 1912 and 1913. The catch reported by Guardian Bennett, my own occasional examination of shipping bills at Wabuman, and my observation of catches and size of fish convince me that there is now no decrease of whitefish in Wabuman lake. I have to confess that the opinion expressed in my report of last year to the effect that Wabuman lake was being over-fished, has not been verified by the results of fishing during 1913-14. I think there is an improved condition, chiefly due to the longer close seasons, and to closer supervision by Guardian A. G. Bennett. It has also been suggested to me by fishermen that the level of Lake Wabuman has been lowered some two feet and the water cleaned by the opening and clearing away of obstructions in the different streams from the Goose Quill bay, thus either improving conditions for whitefish, or making it more easy to catch them.

During the past year I endeavoured to restrict the number of fishermen's licenses for Wabuman lake, but found this most difficult, without depriving old fishermen who lived on the shores of or in close vicinity to the lake, and who had for years been to some extent dependent on the industry.

As the lake is now so near the market, and the demands on me for licenses so great; I feel obliged not only in the future interests of fisheries, but in justice to the older and resident fishermen, to refuse my recommendation of many applications for licenses made by men not resident in the district. As the shores of Wabuman lake have become a summer resort angling is of increasing importance as sport.

Island lake also situated on the G. T. P. railway, though it contains only jackfish and pickerel, is becoming of more importance, because of the increased demand for coarse fish, its closeness to Edmonton which is within sixty miles, its daily rail service; and the increasing settlement about its shores.

Lac Ste. Anne which is connected with Island lake by the Sturgeon river, which is also its effluent into the Saskatchewan river, is with very few exceptions still fished by half-breeds and Indians resident in the district.

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Although without the skill of white fishermen, I have reason to think that during the past year these people have acquired more knowledge of the craft, and displayed greater energy than formerly. Lac La Nonne is also fished generally by half-breeds. The catch reported for Lac Ste. Anne and Lac La Nonne exceeds that of last year by about one-third, from information obtained from the local Guardian, and from my own observation, and that of older settlers whitefish were more plentiful than for ten previous years.

In the close season of 1913 and 1914 half-breeds of Lac Ste. Anne and Lac La Nonne again enjoyed the privilege of fishing for two nights each week for domestic use. I do not think that this privilege was seriously abused. In any case there is no evidence that there is recent decrease of white fish.

Though the fishermen of Lac Ste. Anne had made some preparations for the shipping of fish, they were again disappointed in not having railway service, though steel has been laid for many months. The catch was consumed in neighbouring villages and settlements.

Shiningbank lake, of about three and a half miles in length by a mile in width is situated in Township 57, Range 14 west of the 5th Meridian, about five miles from the McLeod river, and twenty-five miles north of the Grand Trunk Pacific railway.

This lake is very well stocked with whitefish, but is so small, as to be only of local importance, and is only fished by a few resident half-breeds.

Chip lake, which is situated on the Grand Trunk Pacific about eighty miles west of Edmonton, fed by a number of small streams from the west and north, empties into the Pembina, through Lobstick river. The lake is about ten miles long by four miles at its greatest width. In it 500 cwt. jackfish were caught during last winter, by hooks, through the ice, and marketed in Edmonton and the neighbourhood, the fishermen receiving 2½ cents per pound on the ice, and affording employment to some ten home-steaders.

The Saddle lake district, comprising Mosquito, Pinehurst, Trout, and Egg lakes emptying into the Beaver river; Whitefish, Goodfish, Saddle, Island and Hollow lakes situated within Townships 57 and 62, and between Ranges 9 and 13 west of the 4th Meridian, is one of the most important fishing districts in northern Alberta, both as regards area of water, and the fishing capacity of its lakes. The most northerly of these lakes, Musquito, Pinehurst, Trout, and Egg lakes, besides others which have not, at least recently been fished, are abundantly stocked with whitefish, trout, and tullibee, but of all the districts of Northern Alberta, now fished, the most difficult of access in winter, and inaccessible for summer fishing. The lakes of the more southerly group, which contain white fish, have been greatly depleted; probably by persistent fishing in close seasons for many years, by Indians. The lakes containing only coarse fish show no signs of depletion.

During the summer fishing seasons a considerable quantity of coarse fish is marketed in Vegreville and Edmonton, from Island and Hollow lakes, and notwithstanding the difficulties of transportation from the more northern and white fish producing lakes, 595 cwt. of trout, whitefish and tullibee, were caught and shipped to the markets. The catch of all kinds of fish in the whole district amounted to 832 cwt. I am of opinion that as railway facilities are extended this district may rank in importance with Cold lake district.

The Moose Lake District, in which are Moose, Keehewin, Muriel and Wolf lakes situated within Townships 58 and 65 and between Ranges 3 and 6 west of the 4th principal Meridian contain whitefish and tullibee, excepting Muriel lake which only produces jackfish and pickerel. Of this group Moose lake appears to have been seriously depleted of whitefish, by fishing in close season several years ago.

The quantity of fish caught in this district for the past year appears to be one third less than that of the previous year, though this difference may be attributed to the fact that though fishermen's licenses were formerly in force in Moose lake, they were not issued for the year 1913 and 1914.

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The comparatively small area of these lakes, and considerable settlement will forbid the shipping of fish from the district to any great extent.

Cold lake district, which includes Cold and Primrose lakes as well as Trout lake, and a group of small lakes known as Marie and Jackfish lakes, a few miles west of Cold lake; all empty into the Beaver river. A considerable portion of these waters are in the Province of Saskatchewan.

Comparison of the past years fishing operations of this district, with those of last year shows a very much larger investment in tackle than that of the previous year. Though there was some increase both of investment in fishing plant, in the catch of 1913 and 1914, over that of the previous year, I do not think the difference is as great as appears and may be partly explained by a closer and more intelligent annual report from Overseer John M. Whitley, than I was able to obtain for the year 1912 and 13.

The Lac La Biche district, embracing Lac La Biche and Heart lake, emptying northerly into the Athabaska river; and Beaver lake one of the sources of the Beaver river, is fished mostly by half-breeds and Indians. During summer fish are only caught for daily domestic use. Many of the poorer families fishing under the privilege granted half-breed and Indians, of fishing for daily use without license.

On my visit to the district in August last, I observed that nets used under this privilege, were very short, placed near the shore, and the daily catch being so small as to be readily consumed.

Because of the plea made by the old settlers that fish cannot be successfully caught in Lac La Biche in winter, the half-breeds and Indians were again allowed to fish for two nights weekly, during close season, for domestic use.

Twenty-three licenses were taken out for this district during the past year, and a fair catch reported, which was consumed by fishermen's families or found a ready market in the neighbourhood. Heart lake contains white fish and tullibee, but is only fished by Indians and trappers.

Beaver lake is only fished by the Indians of the Reserve on its shores. It is a good whitefish lake.

The whitefish of Lac La Biche are large, the fishermen using mesh of six to seven inches.

Notwithstanding that for the past two years, the Lac La Biche half-breeds and Indians have been permitted limited fishing for domestic use, during the close seasons, and that this practice was probably customary for many years. I do not think white fish have decreased recently in Lac La Biche, judging by information obtained from old settlers, and from my own observation of the ease with which whitefish seemed to be caught with inferior nets, of small size, used carelessly in August. As an offset to the objectionable fishing in the close seasons, it is to be remembered, that by all accounts few fish have been caught in winter, that fishermen are but poorly equipped with boats and nets, and have made no serious attempts to reach the markets.

The Athabaska district in which are Calling lake, in Townships 72 and 73, Ranges 21 and 22 west of the 4th Meridian, emptying into the Athabaska river; the group of Buck, Flat, Skeleton, and Horse lakes, between fifteen and thirty miles east of Athabaska landing; the Baptiste lake group from twelve to eighteen miles west and north of the landing; and Moose lake ten miles north of the Athabaska river in Ranges 24, 25 and 26 west of the 4th Meridian, and in Range 1 west of the 5th Meridian; is of considerable importance, its waters being well stocked with whitefish, tullibee, jackfish and pickerel, and provided with railway service from Athabaska landing.

Calling lake has an area of about thirty square miles, and was fished most successfully last winter, the fish being shipped to Edmonton and other points. When visiting this lake in February last, I was informed by fishermen, that the winter fishing of Calling lake had been the most successful in their experience, and that they had found the coarse fish in unusually small proportions. Their statements are con-

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firmed by statistics which show the quantity caught during the past season to be more than double that of the previous year; the amount realized for the catch of 1914 being \$10,050, or \$4,712 greater than for 1913.

The fishing operations of other lakes of this group are of minor importance, the catch being generally marketed in the neighbourhood.

Lesser Slave lake is the largest of the lakes of Northern Alberta for which licenses are granted. It contains whitefish a few lake trout, pickerel, tullibee of too small size to be of value, and a few perch of very small size.

Lesser Slave lake has always been fished by Indians and half-breeds, who have persistently done most of their fishing in the spawning season. As there are some sixty families now subsisting on this privilege, and considering that in earlier years probably a larger number did so, there can be no doubt of the evil effect of this practice, and that the supply of whitefish in Lesser Slave lake is very much less than it would be if the close season were better observed. During the year 1913 and 1914 the privilege was extended by the Department to the Indians of Lesser Slave lake, of fishing for the first ten days of November, for domestic use. Mr. Robert Potts the Fishery Overseer of that time for the district reported to me that the Indians had not abused the privilege, so far as the time specified was concerned, but that undoubtedly, instead of catching enough for immediate consumption, very large quantities were hung for winter use. A considerable proportion of these fish were fed to sleigh dogs by Indians in their journeys further north when trapping and hunting.

White fish lake in Townships 78 and 79, and Ranges 9, 10 and 11 west of the 5th Meridian is of considerable area, covering about thirty-five square miles, emptying northerly by the Loon river, into the Peace river. It is uncommonly well stocked with whitefish, though only fished by some twenty-five Indian and half-breed families, who do not take out licenses, but habitually fish in the narrows, which is a running stream between the eastern and greater part of the western or smaller part of Whitefish lake. This fishing is done in the close season, when whitefish fall an easy prey to fishermen. When I visited this district in February last, no fishing was being done, but I learned that some 1,000 cwt. had been caught in the close season, my information being confirmed by my own observation of considerable quantities still on hand, the condition of fish indicating that they had been caught in the close season.

As the fishing at Whitefish lake is only done for local consumption, no harm has yet been done, but fishery interests require that this lake should be soon placed under the restrictions of the close season.

The question as to the privileges which half-breeds are specifically entitled by the fishery regulations, as regards fishing for daily family consumption without fees, and in close season, has become a most difficult one.

For generations, especially in the more northern districts they have fished without licenses and in close seasons, but as settlements extend, these privileges cannot be longer conceded without injury to fishing interests, and injustice to legitimate fishermen and consumers.

But it is generally found, that as settlements extend, the means of livelihood of these people are rather curtailed than increased. I can only suggest that reasonable enforcement of the close seasons among Indians, can only be brought about by the co-operation of the Indian Department, who might exercise more authority, and perhaps find it necessary to expend more money, in assisting Indians to carry on legitimate fishing, farming, or other industries.

In many of the more thickly settled districts, especially those settled by half-breeds, the claim is made that licenses should only be issued to persons whose properties or homes are in the vicinity of fishing lakes, though the fishery regulations specify that all British subjects or homesteaders are eligible for licenses. In practice with regard to many districts in which there appear to be as many applicants for

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licenses, by persons resident in the vicinity, as lakes will bear, I have discouraged the issue of licenses to other than those who have long fished in these lakes, and who live in the neighbourhood.

Though there appears to be an increased demand for whitefish, the price has not increased generally.

Fishermen are seldom well enough provided with ice houses, or storage to hold fish, nor are they in such financial circumstances as to justify their waiting for any improvement in prices. But few men earn more than a living wage.

The market for jackfish has generally improved, especially for this class of fish caught in districts where there are no whitefish, and in districts well settled, and enjoying railway service.

I am, Sir,

Your obedient servant,

J. D. WILLSON,
Inspector of Fisheries.

NOTES ON THE DISTRIBUTION AND ECONOMIC IMPORTANCE OF THE 'INCONNU' (STENODUS MACKENZIE) IN THE MACKENZIE RIVER VALLEY.

BY J. C. D. MELVILLE, F.R.G.S.

Member of the Canadian Fisheries Advisory Board.

The 'Inconnu' or 'Connie' (the name by which this fish is more generally known throughout the north) is a large, coarse salmonoid inhabiting, as far as the first rapids, most of the large rivers and streams of Alaska and Arctic Canada from the Yukon to the Anderson river.

This fish is nearly identical with the Russian 'Stenodus Leucicthys' found in the Caspian sea and many of the rivers of Russia and Siberia.

The general appearance of the 'Inconnu' when freshly caught is somewhat like an Atlantic salmon; the head and mouth being larger, and the scales uniformly, of a bright silver colour. The flesh is white, very rich and oily, too rich in fact for a long diet.

It must be admitted that its edible qualities are very much a matter of personal taste—some people liking it, others claiming it to be too oily and coarse. Personally, I believe, as in many other kinds of fish, the cooking plays a most important part. However, there certainly can be no disputing the 'Inconnu's' great value as dog-feed, or dried and smoked for human consumption.

In weight the 'Inconnu' will average 15-20 lbs., but 48 lbs. or even 50 lbs. is by no means uncommon.

'Baik-huli,' the name by which this fish is known to the Slave and Hare Skin Indians of the Mackenzie river, translated means 'No-tooth' which is not quite accurate.

'Stenodus' (literally 'Short-toothed') the name of Greek derivation given to this genus by Sir John Richardson better describes their condition.

'Inconnu' is a French word meaning 'Unknown' and the name was doubtless bestowed on this fish by the French half-breed 'Voyageurs' of the old Northwest or Hudson's Bay Companies when first they penetrated the remote shores of Great Slave lake and vicinity. The fish to them was new and unlike the familiar whitefish or jackfish, or anything of the kind ever seen before.

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The 'Inconnu' is found on the Slave and Mackenzie rivers below the rapids at Fort Emith, as far as the Arctic ocean. They have never been taken above these rapids. On Great Slave lake they have been found as far east as the Narrows (Sir George Back reported taking one there in 1833). They also ascend most of the rivers flowing in from the north. But, the Rivière de Rochers, Stony Island, Buffalo river and Slave river, all tributaries of Great Slave lake, are the localities where the 'Inconnu' are, at spawning time, probably most plentiful. Sergeant Mellor, R.N.W.M.P., reports 'that he was nearly able to walk across Buffalo river on their backs,' and the same has been said of Rivière de Rochers (some 50 miles east of Fort Resolution). This latter is a wide shallow stream. In the upper Mackenzie river the 'Inconnu' are probably not as plentiful as on Slave river, but some are taken in gill nets every summer at all the trading posts. They do not ascend the Liard or Bear lake rivers (two of the largest tributaries) and they do not occur in Great Bear lake, although Thomas Simpson (Dease and Simpson Expedition 1836) reported that one was caught in a whitefish net near Fort Confidence (situated at the eastern extremity of the lake). In the lower Mackenzie the fish ascend from the Arctic ocean in great quantities as far as the Swift river (known as the Sans Sault rapids) above Fort Good Hope. -

The Indians establish fisheries below these rapids every year. The fish leave the delta of the Mackenzie river and Great Slave lake (at both of which places they undoubtedly winter) about June and begin to return in October. They also ascend Peel's river and many natives inhabiting that section of country depend very largely on them for their food supply. Concerning other tributaries of the Mackenzie river, I regret I have no data, and can, therefore, give no information.

The 'Inconnu' spawns at Smith from about the middle of September to the beginning of October and it is at this time that the trading companies and others establish fisheries, for they are to be found in the eddies below the Smith rapids in great quantities. The fish are generally split and hung on a stage out of reach of the dogs. On account of the large size of the 'Inconnu' it is not necessary to 'put up' the great quantity that a whitefish fishery necessitates,—one good sized fish being nearly a days ration for a team of dogs. The price asked by the Indian and half-breed fishermen at Fort Smith is or was twenty-five cents a piece (for a fair-sized fish.) they are usually caught in gill nets (5½-inch mesh) set in the eddies of the rivers, but they also readily take a spoon or bait, the latter being a piece of fresh meat or fish. The Eskimo at the mouth of the Mackenzie river catch them through the ice by means of a hook and line baited with a thin strip of bone or ivory.

The 'Inconnu' is a fish of no great vitality; it being generally found dead in the nets, as compared to the whitefish or trout which caught at the same east are still full of life. This apparent lack of vitality or sluggishness may possibly account for this species, although predominating in great numbers in the districts to which it is native, being very noticeably stopped by rapids or swift water occurring in the streams which they frequent.

The first mention we have of the 'Inconnu' is to be found in Samuel Hearn's account of his journey from Fort Prince of Wales (Churchill) to the Coppermine river. He records taking one of the fish in Great Slave lake in 1772. After mentioning all the other well known varieties, he writes, 'Besides these we caught also another kind of fish which is said by the Northern Indians to be peculiar to this lake; at least none of the kind have ever been met with in any other. The body of the fish much resembles a pike in shape, but the scales, which are very large and stiff, are of a beautiful bright silver colour; its mouth is large, although not provided with any teeth, and takes a bait as ravenously as a pike or trout. The sizes we caught were from two feet to four feet long.'

Sir Alexander Mackenzie in the account of his journey of 1789 down the great

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river which bears his name, mentions the 'Inconnu,' but gives no description. The fish was definitely described by Sir John Richardson after his first journey as naturalist and surgeon to the Franklin Expedition.

Little or nothing is known concerning the food of the 'Inconnu,' it being probably small aquatic animaculæ or small fish such as minnows. An Indian told me it is also a great scavenger, devouring the carrion carried down by all rivers in a greater or less degree, but this statement needs corroboration.

It will be readily understood that the 'Inconnu' may be of vast importance and value if the Arctic and Sub-Arctic districts of the Mackenzie valley develop in the future, as is fully expected.

It is definitely known that these fish retire back from their summer haunts and spawning grounds in the rivers to Great Slave lake, the Mackenzie river delta and bays of the Arctic ocean. The sixteen miles of rapids at Fort Smith are the only impediment to them proceeding up stream to lake Athabasca, Peace river, etc. Lake Athabasca and the delta of the Athabasca river are exactly similar to Great Slave lake and the delta of the Slave river, in which waters the 'Inconnu' now flourish. This leads to the following reflection which, while of no great economic importance at present, might perhaps in the future be worthy of consideration, and at any rate is, I venture to believe, of interest.

It would be an interesting experiment to transfer some of these fish over the 'rapids'—or otherwise stock the Upper Slave river. Peace river is not very plentifully endowed with fish life, and if it were possible to introduce the 'Inconnu' it would confer a great boon on the inhabitants of this at present sparsely populated country. In the years to come the value of a great fishery in the heart of what is destined to be one of the finest farming districts in Canada can scarcely be estimated.

Little is known of the habits or life of the 'Inconnu' and that little is, I believe, all expressed in the foregoing notes. I have not the fatuity to pretend these to be a scientific or even a full practical report,—but perhaps some attention may be drawn towards a fish which in the future may be of great value and importance, but which is now indeed well named "Inconnu."

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RETURN showing the Number of Fishermen, &c., the Number and Value of Tugs, Vessels and Boats, and the Quantity and Value of all Fishing Gear and other Material, used in the Fishing Industry in the Province of Saskatchewan, during the year 1913-14.

Number.	Fishing Districts.				Boats.			Gill-Nets.		Hoop-Nets.		Lines.		Freezers and Ice-houses.		Smoke and Fish-houses.		Piers and Wharves.	
	Row.	Value.	Gasoline.	Men Licensed.	Value.	Value.	Number.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		
1	Qu'Appelle Valley	75	2250				48	110	880			600			80				
2	Long Lake	12	300	1	700		148	170	2820						500				
3	Lac Pelletier	10	200				12	12	72										
4	Fishing and Devil's Lakes						11												
5	Wakaw Lake	36	765	2	400		5	9	45			260							
6	N. and S. Saskatchewan River	15	260				82	24	144	76	380	175							
7	Sturgeon and Whitefish Lakes.	18	180				4	24	120			80							
8	Candle Lake	3	150				10	32	288										
9	Trout and Red Deer and Montreal Lakes.	11	110				25	72	576			33		1	60				
10	Stony and Ladder Lakes	12	300	2	500		15	28	224			35		1	30				
11	Dore Lake						38	262	2620										
12	Green and Waterton Lakes	16	192				29	102	714			50							
13	La Plonge Lake	1	20				5	5	50										
14	Le la Crosse Lakes	120	3600				77	540	4320										
15	Lac des Iles						16	60	600			25			25				
16	Lac La Ronge						17	64	512			10			10				
17	Turtle and Loon Lakes	7	126				32	140	1120										
18	Jackfish and Murray Lakes	15	700	5	1300		10	136	1088			62			62				
Totals.				351	9153	10	2900	645	2090	16193	76	380	1330	21	765	2	90	4	130

RETURN showing the Quantities and Values of all Fish caught and marketed or consumed locally, for the Province of Saskatchewan, during the year 1913-14.

Number.	Fishing Districts.	Salmon, * cwt.	Salmon, value.	Trout, cwt.	Trout, value.	Whitefish, cwt.	Whitefish, value.	Pickereel, cwt.	Pickereel, value.	Pike, cwt.	Pike, value.	Tullibee, cwt.	Tullibee, value.	Mixed fish, cwt.	Mixed fish, value.	Number.
		\$	\$		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
1	Qu'Appelle Valley					109	872	160	960	650	3250	140	700	186	930	1
2	Long Lake					1094	6564	370	1850	766	3830			97	388	2
3	Lac Pelletier					20	160	32	160	105	525			92	368	3
4	Fishing and Devils Lakes							50	300	385	1900			180	720	4
5	Wakaw and Lenore Lakes							100	500	390	1950			1030	3090	5
6	N. and S. Saskatchewan River							12	120	36	288			386	1930	6
7	Sturgeon and Whitefish Lakes					60	300	15	75	177	885			14	28	7
8	Candle Lake					373	1865	8	40	72	288			36	108	8
9	Trout and Red Deer and Montreal Lakes			52	260	370	1850	51	255	96	384			157	314	9
10	Stony and Ladder Lakes					751	3755			389	1167			41	82	10
11	Dore Lake					7833	23499	87	348	131	262			1100	1100	11
12	Green and Waterhen Lakes					728	2912	103	309	222	444	25	75	188	188	12
13	Lac La Plonge			25	100	186	744			10	20			5	10	13
14	Ile la Crosse Lakes					10000	30000	315	945	3100	6200	120	240	700	1400	14
15	Lac des Isles					1000	3000	65	195	110	220			10	10	15
16	Lac la Ronge			70	350	580	1740	36	72	101	202			134	268	16
17	Turtle and Loon Lakes			91	455	1074	4296	12	36	296	592			98	98	17
18	Jackfish and Murray Lakes					815	3260	94	376	405	1215			30	60	18
19	Northern Lakes			150	450	6000	18000	200	400	500	1000			500	500	19
	Totals			388	1615	30993	102817	1710	6941	7936	24622	285	1015	4984	11592	

* Cwts. = 100 lbs. † "Mixed Fish" includes greyling, bull-heads and ouananiche.

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RECAPITULATION.

Of the Yield and Value of the Fisheries in the Province of Saskatchewan, during the year 1913-14.

Kinds of Fish.	Quantity.	Value.
		\$
Trout..... *Cwts.	388	1,615
Whitefish..... "	30,993	102,817
Pickarel..... "	1,710	6,941
Pike..... "	7,936	24,622
Tullib e..... "	285	1,015
Mixed Fish..... "	4,984	11,592
Total.....		148,602

* Cts. = 100 lbs.

RECAPITULATION.

Of the number and Value of Vessels, Boats, Nets, Traps, etc., used in the Fisheries in the Province of Saskatchewan, during the year 1913-14.

	Number.	Value.
		\$
Boats (sail).....	351	9,153
" (gasoline).....	10	2,900
Gill-nets, Seines and other nets....	2,166	16,579
Lines.....	1,330	1,330
Freezers and Ice-houses,.....	21	765
Smoke and Fish-houses.....	2	90
Piers and Wharves (private).....	4	130
		30,941

Number of men employed in Boats 645

RETURN showing the Number of Fishermen, etc., the Number and Value of Tugs, Vessels and Boats and the Quantity and Value of all Fishing Gear and other Material used in the Fishing Industry in the Province of Alberta, during the year 1913-14.

Number.	Fishing Districts.	Boats.					Gill Nets.		Freezers and Ice-houses,		Smoke and Fish-houses.		Number.
		Sail.	Value.	Gasoline.	Value.	Licensed Men.	Number.	Value.	Number.	Value.	Number.	Value.	
			\$		\$			\$		\$		\$	
1	Lee Creek and St. Mary's River.					120							1
2	Pincher and Beaver Creeks..					474							2
3	Old Man River.....					1080							3
4	High and Sheep Rivers..					600							4
5	Bow and Elbow Rivers.....					1400							5
6	Buffalo and Gull Lakes.....	18	65			28	2	12	10	250	15	60	6
7	Pigeon and Buck Lakes.	49	637			92	106	530					7
8	Beaverhill and Hastings Lakes.....	20	590			35	29	290	13	260	6	140	8
9	Wabamun and Isle Lakes.	34	625	3	1200	55	169	1014	15	375	3	150	9
10	Chip and Shining Bank Lakes. . .	2	30			19	12	72	3	120			10
11	Ste. Anne and La Nomme Lakes . .	30	450			48	57	399					11
12	Floating Stone and Trout Lakes.....	5	50			28	45	375					12
13	Cold and Primrose Lakes.....					65	280	2800					13
14	La Biche and Beaver Lakes.....	22	440			23	40	240					14
15	Calling and Baptiste Lakes.....					23	120	1500			3	125	15
16	Moose and Keehewin Lakes.....	1	20			23	34	214			2	20	16
17	Lesser Slave Lake.....	24	575			17	135	1350	1	200	3	700	17
	Totals.....	205	3482	3	1200	4130	1029	8796	42	1205	32	1195	

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RETURN showing the Quantities and Values of all Fish caught and marketed or consumed locally, for the Province of Alberta, during the year 1913-14.

Number.	Fishing Districts.	Trout.		Whitefish.		Pickerel.		Pike.		Tullibee.		Mixed Fish.		Number.
		Cwts.	Value.	Cwts.	Value.	Cwts.	Value.	Cwts.	Value.	Cwts.	Value.	Cwts.	Value.	
			\$		\$		\$		\$		\$		\$	
1	Lee Creek and St. Mary's River.	30	300					10	50					1
2	Pincher and Beaver Creeks.	55	550											2
3	Old Man River.	215	2150											3
4	High and Sheep Rivers.	290	2900											4
5	Bow and Elbow Rivers.	450	4500					120	600					5
6	Buffalo and Gull Lakes.							590	2950			10	20	6
7	Pigeon and Buck Lakes.			361	2166	13	78	111	333	1		40	80	7
8	Beaverhill and Hastings Lakes.					15	105	130	910			105	210	8
9	Wabamun and Isle Lakes.			2896	11584	110	550	354	1662			12	24	9
10	Chip and Shining Bank Lakes.			10	50			500	1500					10
11	Ste. Anne and La Nomme Lakes.			649	3245	3	15	43	129			9	18	11
12	Floating Stone & Trout Lakes.	257	1285	238	1190	48	240	130	390	80	240	74	148	12
13	Cold and Primrose Lakes.	1111	4444	2606	7818	201	603	191	382			183	183	13
14	La Biche and Beaver Lakes.			500	1500			15	30	100	200	50	50	14
15	Calling and Baptiste Lakes.			3360	10080	80	320	200	500	72	216	426	426	15
16	Moose and Keehewin Lakes.			224	896	18	72	90	270	38	114	13	26	16
17	Lesser Slave Lake.	20	80	3168	12672	55	220	265	265			380	380	17
	Totals.	2428	16209	14012	51201	543	2203	2749	9371	290	770	1302	1565	

*Cwt. =100 lbs. † "Mixed fish" includes greyling, bull-heads and ouananiche.

RECAPITULATION

Of the Yield and Value of the Fisheries in the Province of **Alberta**, during the year 1913-1914.

Kinds of Fish.	Quantity.	Value.
		\$
Salmon.....*Cwt.		
Trout....."	2,428	16,209
Whitefish....."	14,012	51,201
Herring....."		
Bass....."		
Pickrel....."	543	2,203
Pike....."	2,749	9,371
Sturgeon....."		
Eels....."		
Perch....."		
Maskinongé....."		
Tullibee....."	290	770
Cat-fish....."		
Goldeyes....."		
Mixed Fish....."	1,302	1,565
Caviare....."		
Total		81,319

*Cwt. =100 lbs.

RECAPITULATION

Of the Number and Value of Boats, Nets, Traps, etc., used in the Fisheries in the Province of **Alberta**, during the year 1913-1914.

	Number.	Value.
		\$
Boats (sail).....	205	3,482
" (gasoline).....	3	1,200
Gill-nets, Seines and other nets.....	1,029	8,796
Weirs.....		
Lines.....		
Freezers and Ice-houses.....	42	1,205
Smoke and Fish-houses.....	32	1,195
Piers and Wharves (private).....		
		15,878

Number of men employed in Boats.. 4,130



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APPENDIX No. 8.

YUKON TERRITORY

To the Superintendent of Fisheries,
Ottawa.

SIR,—I have the honour to submit herewith the annual report on the fisheries of the Yukon territory, for the fiscal year ending March 31, 1914.

In remote parts of this vast territory where it is almost impossible to visit I have to base my estimates on what information I can gain from traders and trappers who, alone, visit those isolated parts inhabited solely by Indians. By reference to the returns I have forwarded to you, you will observe that the catch by Indians and that by white are under two different heads.

SALMON.

Many were led to believe that the run of salmon was becoming less year by year in the Yukon and its tributary waters, owing, it was claimed, to the use of crude oil used as fuel by the steamers plying on the lower Yukon river between Dawson and St. Michaels. But this seems to have no foundation for the year 1913 saw the largest run since the year 1898.

WHITE FISH AND GRAYLING.

Grayling, which abound in all the side-streams are as plentiful as ever, excepting the Klondike river where the dredges are working and keeping the water in a muddy state. The lakes from which the whitefish are taken, La Barge, Tatleman, and Thadsun, are well stocked and do not seem to have suffered from fishing operation.

CLOSED SEASONS.

The closed season for the past year was well observed; no violations coming under my observation, or any reported by guardians.

FINES AND FORFEITURES.

I also beg leave to report that though I secured no convictions I destroyed eight nets of illegal size, also three dams which I found placed in the mouth of streams. It was impossible to locate the guilty party or parties.

I am, Sir, .

Your obedient servant,

C. C. PAYSON,
Inspector of Fisheries.

RETURN showing the Number and Value of Fishermen, etc., the Number and Value of Tugs, Vessels and Boats, and the Quantity and Value of all Fishing Gear and other Material, used in Fishing Industry in the Whole Yukon Territory, during the year 1913-14.

Number.	Fishing Districts.	Boats.			Gill Nets.		Lines.		Freezers and Ice-houses.		Smoke and Fish-houses.		Piers and Wharves.		Persons employed in Freezers, Fish-houses, &c.	Number.
		Sail.	Value.	Gasoline.	Value.	Men.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		
	<i>Owned by Whites.</i>		\$		\$			\$		\$		\$				
1	Dawson.	9	300	...	...	14	40	480	1	4500	1	100	...	...	14	1
2	Pelly District	4	120	...	...	8	20	200	...	...	1	125	...	...	2	2
3	Forty-Mile...	6	180	...	...	12	14	140	...	...	1	100	...	...	1	3
4	Lake Labarge...	5	150	...	...	10	16	160	...	...	...	...	...	300	...	4
5	Carcross.	6	180	...	...	14	36	432	...	...	...	...	...	...	...	5
6	Klondike River.	9	270	...	...	11	30	300	...	...	1	100	...	...	...	6
7	Thistle & Sixty-Mile	5	150	...	...	5	24	240	...	...	...	...	...	...	...	7
8	All other parts of Yukon Territory.	8	240	...	...	8	22	220	...	...	...	...	...	...	...	8
	<i>Owned by Indians.</i>															
9	Salmon River	8	150	...	...	16	20	120	...	...	...	...	...	...	...	9
10	Toslin Lake.	6	90	...	...	12	9	90	...	...	...	...	...	...	...	10
11	Tagish	5	80	...	...	15	11	77	...	...	...	...	...	...	...	11
12	Big Lake.	2	40	...	...	6	8	56	...	...	...	...	...	...	...	12
13	McQuestion.	4	80	...	...	8	7	49	...	...	...	...	...	...	...	13
14	Selkirk and Pelly.	12	300	...	...	20	45	315	...	...	...	...	...	...	...	14
15	Duncan	4	80	...	...	8	12	84	...	...	...	...	...	...	...	15
16	Poreupine.	5	100	...	...	12	9	63	...	...	...	...	...	...	...	16
17	Peel River	6	180	...	...	12	11	70	...	...	...	...	...	...	...	17
18	Rampart.	8	250	...	...	16	14	98	...	...	...	...	...	...	...	18
19	Hootchi.	6	200	12	12	80	19
	Totals.	1180	31400	219	364	3274	1	4500	4	425	1	300	17	

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RETURN showing the Quantities and Values of all Fish caught and marketed or consumed locally, in the whole Yukon Territory, during the year 1913-14.

Number.	Fishing Districts.	Salmon, cwts.	Salmon, value.	Trout, cwts.	Trout, value.	Whitefish, cwts.	Whitefish, value.	Pickered, cwts.	Pickered, value.	Pike, cwts.	Pike, value.	Maskinonge, cwts.	Maskinonge, value.	† Mixed Fish, cwts.	Mixed Fish, value.	Number.
<i>Caught by Whites.</i>																
1	Dawson	300	3000	6	180	40	1000	5	100	2	50	3	75	100	2000	1
2	Pelly District	25	250	24	750	100	2500					4	100	20	440	2
3	Forty-Mile	180	1800	4	120	5	125					1	25	40	800	3
4	Lake Laberge			7	210	115	2875							30	600	4
5	Carcross			45	1350	35	875							20	400	5
6	Klondike River	55	550	12	360	10	250							85	1700	6
7	Thistle and Sixty Mile	45	450	5	150	8	200							70	1400	7
8	All other parts of Yukon Territory	150	1500	30	900	40	1000					5	125	110	2200	8
<i>Caught by Indians.</i>																
9	Salmon River	160	1600	10	300	40	1000					2	50	70	1400	9
10	Teshin Lake			14	420	45	1125							90	1800	10
11	Tagish			10	300	54	1350							70	1400	11
12	Big Lake			6	180	10	250							35	700	12
13	Mex Junction	140	1400	5	150	27	675							40	800	13
14	Selkirk and Pelly	300	3000	25	750	80	2000							55	1100	14
15	Duncan	50	500	10	300	22	550							30	600	15
16	Porcupine	40	400	2	60	25	625							20	400	16
17	Peel River	130	1300	20	600	50	1250							25	500	17
18	Rampart	145	1450	14	420	70	1750							64	1280	18
19	Hootchi	100	1000	22	660	60	1500							50	1000	19
Totals		1820	18200	271	8160	836	20900	5	100	2	50	15	375	1024	20480	

* Cwt. = 100 lbs. † "Mixed Fish" includes greyling, bull-heads and ouananiche.

RECAPITULATION.

Of the Yield and Value of the Fisheries in the whole **Yukon Territory**, during the year 1913-14.

Quantity consumed in Canada.	Quantity consumed in U.S.A.	Kinds of Fish.	Quantity.	Value.
				\$
..... All.....	..... None.....	Salmon.....*cwts.	1,820	18,200
..... ".....	..... ".....	Trout....."	271	8,160
..... ".....	..... ".....	Whitefish....."	836	20,900
.....	.....	Pickrel....."	5	100
.....	.....	Pike....."	2	50
.....	.....	Maskinongé....."	15	375
..... All.....	..... None.....	Mixed fish....."	1,024	20,480
		Total.....		68,265

*Cwts. = 100 lbs.

Quantity consumed in Canada..... all

RECAPITULATION

Of the Number and Value of Vessels, Boats, Nets, Traps, etc., used in the Fisheries in the whole **Yukon Territory**, during the year 1913-14.

	Number.	Value.
		\$
Boats (sail)	118	3,140
Gill-nets, Seines and other nets	364	3,274
Lines.....	352	159
Frezers and Ice-houses.....	1	4,500
Smoke and Fish-houses.....	4	425
Piers and Wharves (private).....	1	300
Total.....		11,798

Number of men employed in boats..... 219
" persons employed in Fish-houses, Freezers, etc..... 17

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APPENDIX No. 9.**BRITISH COLUMBIA**

CHIEF INSPECTOR FOR THE PROVINCE, F. H. CUNNINGHAM, NEW WESTMINSTER.

DISTRICT No. 1.—COMPRISING THE SOUTHERN PORTION OF THE PROVINCE. ASSISTANT INSPECTOR, A. P. HALLADAY, NEW WESTMINSTER.

DISTRICT No. 2.—COMPRISING THE NORTHERN PORTION OF THE PROVINCE. INSPECTOR, J. T. C. WILLIAMS, PORT ESSINGTON

DISTRICT No. 3.—COMPRISING VANCOUVER ISLAND AND PART OF THE MAINLAND ADJACENT THERETO. INSPECTOR, E. G. TAYLOR, NANAIMO.

REPORT ON THE FISHERIES OF THE PROVINCE BY THE CHIEF INSPECTOR.

To the Superintendent of Fisheries,
Ottawa, Ont.

SIR,—I have the honour to report on the fisheries of the Province of British Columbia for the fiscal year ended 31st of March, 1914, as follows:—

COMMERCIAL VALUE OF THE FISHERIES.

The total value of the fisheries for the whole Province for the past fiscal year amounts to \$13,891,398, as against \$14,455,488 for the preceding fiscal year, showing a decrease of \$564,090. A reference to the statistical returns will show that practically one-half of this decrease is due to the falling off in the whale fishery, as there were only 705 of these mammals captured as compared with 1,107 for the previous year. There is also a decrease of nearly 30,000 cwts. of halibut caught as compared with the previous year, and which, coupled with the low market price for several months during the season, has detracted to the extent of \$727,000 from the value of this species for this year.

On the other hand, however, there is an increase of \$703,302 in the value of salmon, which is explained, of course, by the fact that this was a 'big year' for the salmon run on the Fraser river. The total number of cases of pinks and cohoes packed is comparatively small as compared with the season of 1912, which is due no doubt to the fact that a poor price prevailed for these species in 1912, and as 1913 was the big sockeye run on the Fraser, less demand prevailed for the cheaper varieties.

It is very gratifying to note that whilst there is a falling off in the value of some varieties, the big run of sockeye salmon to the Fraser river keeps up to the average, as there was a total of 684,596 cases packed as compared with the previous four year cycle

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in 1909 when there were 567,203 cases put up, giving an increase of over 100,000 cases in favour of the past year. There were also one and a half million cases of sockeye packed in Puget Sound, the fish being caught when passing through the American waters on their way to the Fraser river. These figures would tend to show that the fish cultural operations as conducted on the Fraser river watershed are yielding results of great value to the fisheries of this Province.

The total value of the fishing vessels, boats, nets, etc., is \$12,489,613, and 20,707 persons were employed in the fishing industry during the period covered by this report.

DISTRICT NO. 1.

This district comprises the Fraser river, a portion of Howe Sound, including the inland lakes of the southern part of the Province.

The quantity of salmon canned of all species in this district amounted to 732,059 cases, and the total commercial value for the whole district is \$5,590,660. There were 2,560 salmon gill-net licenses issued during the year, and 35 cannery licenses. All the cannery licenses and a large proportion of the gill-net licenses were for the Fraser river. Of the operators of the 2,560 licenses, 1,071 were whites, 408 Indians and 1,081 Japanese.

In my last year's report, reference was made to the department's approval for the building of a suitable gasoline launch for patrol work on the Fraser river, and yet of sufficient sea-going qualities to enable her to visit any part of the coast of the Province; and I am pleased to say the authority thus given resulted in the construction by the Westminster Marine Railway Company, New Westminster, of the launch 'Fispa.' This boat is twin screw, 85 feet long, 14½ feet beam, equipped with modern gasoline engines having an equivalent of 96 horse-power each. This launch, during the past season, has travelled 5,912 miles without mishap, and has given good satisfaction in every way. She is used by the Chief Inspector for visiting all parts of the coast, and her services have been utilized during the past winter in special inspections of various inlets, thus enabling the captain, who is well versed in fish life, to inspect and report on the various spawning streams up which salmon ascend for propagating purposes. The information thus obtained, is valuable, and affords information of the various species of salmon frequenting the rivers and also information as to obstructions which bar the ascent of salmon to their natural spawning beds.

The protection of the fisheries of the Fraser river is looked after by the gasoline boats 'Swan,' 'Foam' and 'Elk.' These boats are in command of efficient patrolmen, and have rendered valuable service. During the past year there were 633 prosecutions in this district for violation of the Fisheries Act, and fines aggregating \$5,416.75 were collected.

DISTRICT NO. 2.

The supervision of this district is under Inspector of Fisheries J. T. C. Williams, and who, during the season, visits all the fishing centres in this large area. He has his main office at Port Essington, on the Skeena river, and during the winter season, is to be found in Vancouver, where most of the fishing companies operating in the north maintain their head offices, and where their business is transacted during these months.

The salmon operations were not a success during the past season, only 417,453 cases being packed as against 663,668 cases for the previous year. The greatest decrease in the number of cases packed is on the Skeena river, which falls off to the extent of 90,000 cases; and Rivers Inlet which shows a decrease of 69,000 cases. This large decrease is somewhat difficult to account for, as a very fair proportion of fish reached the Skeena river spawning grounds and in Owekayno lake, the spawning area for Rivers Inlet, there were to be found myriads of spawning fish. The climatic condi-



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tions were, however, very bad for fishing. Southeast winds accompanied by rain, were quite frequent, and during such weather, the fish invariably swim deep, thus passing under the nets. These climatic conditions applied also to Rivers Inlet.

It might also be remarked that on reference to statistics of 1909, the year of the 'big run' on the Fraser, the pack in the north was correspondingly small. For instance, Skeena river only produced 140,739 cases in that year as against 222,035 cases in 1910. In 1905 Skeena river only produced 114,000 cases as against 162,000 cases for 1906. The same remarks will apply to Rivers Inlet. I am not prepared to say that the 'big run' on the Fraser has any bearing on the northern waters, but it is a strange coincidence that in the years of plentitude on the Fraser, there is a dearth in the north.

Whilst there was a decrease of 17,000 cases on the Naas river as compared with the previous year, it is expected that the additional spawning grounds in Medziaden lake made accessible by the fishway built last season, thus enabling the salmon to surmount the falls at this point, will prove of great value to this area.

The salmon fisheries of the north coast and Queen Charlotte islands were practically a total failure with the exception of spring salmon. The spring salmon in these areas are caught by trolling. The run was a large one; but this species are all mild cured, and packed in tierces. Certain recommendations are made in Overseer Harrison's report as to the fisheries of this area, and it is suggested that consideration be given the same at the next meeting of the Fisheries Advisory Board in October.

During the past season the Fisheries Patrol Launch 'Gannet' was put in commission for the purpose of protecting the fisheries around Queen Charlotte Islands. She has performed good service under the command of Captain Haan, and for her size, she is a particularly good sea boat, strongly built, and having been especially constructed to meet the conditions prevailing around these islands.

The new Central division referred to in my report of last year was efficiently protected by Overseer James Boyd, with a chartered boat which, although somewhat slow, rendered good service. This is a large and important division, and the necessity for a special boat capable of being out all winter if necessary, was felt; consequently, a new boat was designed and built, and will be in commission for the season of 1914.

The Fisheries Regulations were well enforced. Inspector Williams has the whole district well in hand, and he received loyal support from his staff of Fishery Overseers.

DISTRICT NO. 3.

This district is under the supervision of Inspector E. G. Taylor, with office at Nanaimo, and comprises the whole of Vancouver Island and the mainland adjacent.

The statistical returns show that there is again this year an increase in the commercial value; the total being \$3,647,823 as compared with \$3,110,877 for the previous year. There is also an increase in the quantity of herring caught, being 557,320 cwts. for this year as compared with 515,980 cwts. for the previous season, and the value is \$709,669 as against \$462,963. As in district No. 2, there is a falling off in the number of whales caught in this district, being 809 captured during the fiscal year ended the 31st of March, 1913, as against 486 for a similar period ending 31st of March, 1914. Whilst the statistics show an increase of over 51,000 cases of sockeye salmon packed during the year, it must be remembered that quite a lot of these fish were purchased on the Fraser river and canned at the canneries in this district; but the pack of fish at the canneries located at Quatsino and Clayoquot was very disappointing. This is difficult to explain, unless by some freak of nature, the 'big run' to the Fraser river has some general effect on the run in the northern waters.

The cod fishery of this district has during the past season received a great impetus, and I agree with Inspector Taylor's remarks on this important fishery, that either a close season or reserve areas in which no fishing can be done at certain seasons of the

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year should become law. This question has, however, been referred to the biological board of Canada for their consideration and advice as to the best action to take.

The Fishery Overseers appointed to the new divisions in this district, given in detail in my report of last year, have been supplied with suitable gasoline boats, and the launches 'Cohoe,' 'Raven' and 'Gull' were commissioned and the 'Egret' and 'Heron' completed later in the year, and are now available for service. These boats were all designed by a Naval Architect for the special services to be performed.

OBSTRUCTIONS.

The removal of obstructions to the free ascent of salmon to their natural spawning grounds is one of the most important works in connection with the preservation of fish life. Unless the parent fish have free access to spawning areas, the species must grow less, and the asset of the fisheries decline.

The Department, having in view the value to be derived from systematic and economical removal of such obstructions, appointed a resident engineer, whose services are entirely devoted to this class of work coming under the Fisheries Branch of the Department. Mr. J. McHugh, an engineer with 14 years experience, was appointed to this position, and during his term of office, has rendered valuable service.

The most serious obstructions which have occurred in the Province of British Columbia, and probably in the whole of the Dominion of Canada, for many years, were those which existed in the Fraser river at China Bar, Skuzzy Rapids, White's creek and Hell's Gate. The three first named were due to the construction of the railway on the left bank of the river, the bays which existed and served as resting places for the fish, being destroyed. Whilst these obstructions were of a serious nature, the most serious one existed at Hell's Gate, which was greatly increased by a slide which took place on the 24th February last, bringing down part of the mountain and carrying with it about 20 feet of the railway tunnel which exists at this place, and greatly reducing the width of the river there.

Some preliminary work was done under the supervision of the Provincial Fisheries Department at all of these points last season, at the time when the sockeye were running, enabling large numbers to pass these points. The cost of this work was assumed by the Dominion Department.

The slide above referred to was a menace to the salmon fishery of the Fraser river, and both the Dominion and Provincial Departments were seized with the fact that strenuous work was necessary to make this point accessible to fish during the run of 1914. With this object in view, a conference of engineers was held, when it was decided that heroic action was necessary, and which resulted in the work being placed in the hands of the Pacific Dredging Company, of Vancouver, on a force contract basis, the work to be done under the supervision and to the satisfaction of the Department's resident engineer. The amount of work involved, with the short time available in which to perform it, presented a most serious problem, but fortunately the Company in question were in possession of modern machinery and skilled mechanics, and were thus able to commence the work with little delay, and to take advantage of the low stage of the water in the river at that time, thus removing large quantities of rock below the normal height of the water in the river at the time the sockeye run. It might be stated that the intrinsic value of the machinery used is contained in the patent carrier and remodelled cable engine. To enable this machinery to work, a 700 foot span of $2\frac{1}{2}$ inch cable is stretched from bank to bank across the river, and about 170 feet above last year's low level water mark, each end being anchored in the bank and tested to carry a swiftly moving load equal in weight to 20 tons. The carriage moves on this cable with its load at the rate of 20 feet per second, and could be geared to move at a greater rate of speed if conditions permitted. The rock has to be carried by this machine from the left to the right bank of the river, where it is piled, there being no room on the left side for this purpose.

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The work is proceeding very satisfactorily, and it is hoped that by the time this season's run of sockeye reaches this part of the river, conditions will have so improved that they will have no serious difficulty in passing.

The work of constructing a passageway for fish at the Medziaden Falls, Naas river district, which was performed under the supervision of officers of the Provincial Department, has been completed, and paid for by the Dominion Department. This is a successful piece of work, and opens up large additional spawning areas in this locality. Obstructions have also been removed from the Kimsquit, Atnarco and Nicomekl rivers. Arrangements were made too, for the removal of the obstructions from Ellerslie channel, Finlayson channel, and Mary Cove.

When the work now going on in the Fraser river is completed, other rivers in the Province in which obstructions exist, will be looked after, and the work undertaken in accordance with their value as spawning streams.

REGULATIONS.

The changes in the regulations referred to in my report of last year, as affecting the northern part of the Province, came into effect during the fishing season of 1913. These changes were in line with the desires of the Federal and Provincial Governments to encourage white fishermen to become permanent settlers in the north, and operate the fisheries. A number of licenses were reserved for this purpose, with the result that there were 167 white fishermen operating in the various fishing centres of the northern part of the Province.

Whilst it is not possible to effect such a radical change as this in one season, the results were satisfactory from a Departmental standpoint, and from the number of enquiries already made, it is certain a greater number of white men intend operating in the north during the season of 1914.

A departure was also made in connection with the protection of the herring close season being abolished and areas reserved in which no fishing was allowed during the spawning season. This was effected, and is in the greater interests of this species, as the herring on this coast spawn at different seasons of the year.

SEA LIONS AND HAIR SEALS.

Grave complaints have been made to this Department about the destruction of salmon by these mammals. Whilst these complaints emanate from all the principal fishing centres throughout the Province, the damage done by the hair seal is especially noticeable in the Fraser river.

With the object of decreasing the number of seals, the Department authorized the payment of a bounty equal to \$3.50 per seal destroyed, and limited the number on which bounty would be paid for the first year to 1,000. The bounty on the first thousand seals, amounting to \$3,500, was claimed in a short time, and an additional amount was granted, the details of which will appear in the annual report for next year.

Whilst the amount allowed for the destruction of each seal may seem large, it might be explained that the carcasses of the seals are very difficult to obtain after being shot, as unless hit in a vulnerable spot, they immediately sink and the carcasses cannot be secured. From information I have collected, only about one seal in every five killed, is secured; consequently, whilst bounty was paid on only one thousand, the actual destruction on this basis would amount to five thousand seals.

The question of reducing the number of sea lions does not present such a difficult problem as the hair seal, as they herd and produce their young on the islands and if the islands were raided during the month of June, practically all the pups could be destroyed and no doubt many of the old sea lions as well. The islands frequented are, however, situated in the ocean where rough weather may be expected, and it is only a

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substantial boat that could be used for the purpose. These lions are looked upon by those engaged in the fishing business as a serious menace to the industry, and it is recommended that the Department consider action towards reducing the herds. It is quite possible that the cannerymen and fishermen of the north would favourably consider assisting the Department in this direction.

HEAD OFFICE.

It might be of interest to refer to the head administrative office of the Fisheries Branch of the Department located in New Westminster. The office was established three years ago, and its usefulness and work have increased with the development of the fisheries throughout the Province.

During the past year 3,381 letters were received; 3,722 letters written and 1,846 accounts were approved and passed for payment. Altogether, there were 4,860 licenses issued, together with all the Revenue statements, &c., required to carry on the business of the Department. The undersigned, as Chief Inspector for the Province, visited all the fishing centres in the Province. The office staff consists of five clerks and a resident engineer, and I am pleased to testify to the unselfish and satisfactory manner in which they have performed their duties at all times.

GENERAL REMARKS.

It was a great pleasure to those engaged in the fishing industry and to the officers of the Department, to welcome to this Province last year, the Honourable Mr. Hazen, Minister of Marine and Fisheries. He visited most of the great fishing centres and canneries, making himself familiar with conditions as they existed.

The usual fishery exhibit was held in connection with the Annual Exhibition in New Westminster. This exhibit is becoming of greater attraction each year, and illustrates, to a limited extent, the species of fish indigenous to the waters of this Province, as well as the fish cultural operations as conducted by the Department throughout the Province. Such an exhibit, located practically on the banks of the mighty Fraser, is of great value from an educational and practical standpoint, and the question of a larger building and a greater display well merits the favourable consideration of the Department.

I am pleased to be able to again refer to the many profitable discussions which have been held between the Provincial Fisheries Department and myself. The results have been satisfactory and the pleasant relationship of the past still continues.

It is with great satisfaction that I refer to the assistance and loyalty rendered to me by the District Inspectors of Fisheries and Fishery Officers. Their duties have been well performed, very often under very adverse circumstances.

Careful consideration has been given to all matters which would in any way tend to benefit the fisheries of this coast, and it is hoped the decisions reached have been in the best interests of the same.

I am, Sir,
Your obedient servant,

F. H. CUNNINGHAM,
Chief Inspector of Fisheries.

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REPORT ON THE FISHERIES OF DISTRICT No. 1.

F. H. CUNNINGHAM, Esq.,
 Chief Inspector of Fisheries,
 New Westminster, B.C.

SIR,—I have the honour to hand you herewith the Annual Statistical Report for District No. 1 for the fiscal year 1913-14.

The great increase in the total value of the products of the fisheries in the district over former years is very satisfactory and encouraging, showing an enormous development in this important industry.

This was the 'big run' year for the sockeye variety of salmon, and the results of the season's operation and the pack of the canners, show a marked improvement in the run over the last 'big run' year, namely, 1909-10. The following is a comparative statement:—

Salmon. Year.	Sockeye. Cases.	Other Varieties. Cases.	Total. Cases.
1909 and 1910.....	542,248	24,955	567,203
1913 and 1914.....	684,596	47,463	732,059

The increase in the pack of sockeye, you will observe, is very marked, and surely demonstrates the excellent results accruing from the operation of the hatcheries, and amply justifies the policy of the Department in their annual expenditure for building and maintaining these establishments, as well as in clearing the various streams of obstructions, and making it possible for the parent fish to reach their natural spawning grounds. The salmon in quality, also, this year, was excellent throughout.

HALIBUT.

The catch of halibut this year was very satisfactory, totalling 9,367,700 pounds, and commanding a good price, averaging 5 $\frac{3}{4}$ cents per pound wholesale.

HERRING.

The herring fishing in this district is rapidly increasing in importance. The means of capturing this variety of fish is, as you know, by use of gill-nets, principally in deep water, and consequently a larger and better quality of herring is taken. They are practically all used for kippering, outside of the quantity sold fresh in the local markets. The average price paid wholesale, this year, was 3 cents per pound.

OTHER VARIETIES.

During the 'big run' years for sockeye, the fishermen naturally devote more attention to that particular class of fishing, and consequently, a smaller return of other varieties is to be expected. This year, however, it will be observed that the quantity and price of these varieties are well up in average with those of former years.

BY-PRODUCTS.

The work of the 'Canada Fish Products, Limited,' was this year, under the management of Mr. Williamson, conducted very satisfactorily. Considering the large amount of offal to be handled from the various canneries and the occasional adverse circumstances, splendid work was done, as the following statement (giving the output of the establishment) will show:—

Refined oil produced.. . . .	gals.	97,650
Finished guano produced.. . . .	tons.	589 $\frac{1}{4}$

This establishment is a very important factor in the industry of this district, as its operation not only relieves the various cannerys of the expense and trouble of taking the offal out to sea, but saves (which otherwise would be lost) and places on the markets, the two very valuable commodities above mentioned.

The policy of the Department in encouraging this industry is a very wise one.

VALUE OF THE FISHERIES.

The value of the product of the fisheries of this district for this year, totals \$7,012,787.

HAIR SEALS.

The question of the destruction to, especially, the spring salmon, by hair seals, is still a very serious one. At certain seasons these mammals become such a pest that the fishermen have great difficulty in saving the fish caught in their nets from being either mutilated and spoiled for the market, or taken entirely. They appear to possess almost human intelligence, as immediately a fish strikes a gill-net, the seal is usually watching his opportunity, and will capture the fish before the operator of the net can reach the spot. It will be seen that this is a very great loss to the fishermen and dealers.

It is estimated by those who are familiar with the habits of the hair seal and sea lion, that they will devour and destroy from four to ten salmon each per day, and the enormity of this loss is emphasized when it is remembered that it is upon the spring salmon that they appear to mostly prey; and this variety is always in demand and commands a good price.

The Department this year, in an endeavour to overcome this menace, appropriated a considerable sum of money for bounty, which resulted, before the close of the year, in the destruction of several thousand hair seals in the Province. This is no doubt a wise policy, and if continued, will have a very beneficial effect.

Respectfully submitted,

A. P. HALLADAY,
Assistant Inspector of Fisheries.

REPORT ON THE FISHERIES OF DISTRICT No. 2.

To F. H. CUNNINGHAM, Esq.,
Chief Inspector of Fisheries,
New Westminster, B.C.

SIR,—I have the honour to enclose my statistical report on the fisheries of the northern coast of British Columbia, District No. 2, for the fiscal year ended March 31, 1914, including the salmon packs of the different divisions. These returns show a decrease in the aggregate of the total value of fish and fish products for 1913-1914, being \$3,230,788 as against \$5,081,291 for 1912-1913.

This decrease is accounted for to a great extent by a reduction of 245,915 cases of salmon and the failure of the sockeye run, in all the divisions of my district in a more or less degree, and also by the fact that the lower grade of salmon, notably the humpback, though in as large if not larger quantities than ever, were quoted at so low a figure on the market, that it did not recompense the cannerys for packing them. The herring fisheries also were somewhat neglected on account of the exceedingly low figure they

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brought on the market, especially the salted article, which did not leave a margin of profit for the fishermen, and until the prices obtained for the raw product increases these fisheries will receive very little attention. There is always a certain demand for herring bait in a fresh or frozen state and this will probably increase in the near future, which will greatly assist those interested in our herring fisheries. No new canneries or salteries have been erected in 1913-1914 in my district.

The total pack of salmon for the season of 1913-1914 is as follows:—

	1913 -14.	Cases.
Sockeye..	183,731	
Spring..	24,458	
Cohoe..	41,169	
Humpback and dog..	168,095	
Total..	417,453	

	1912- 13.	Cases.
Sockeye..	301,063	
Spring..	39,814	
Cohoe..	98,202	
Humpback and dog..	224,289	
Total..	663,368	

Approximate decrease in detail:—

	Cases.
Skeena Rivers..	90,203
Rivers Inlet..	69,601
Naas River..	17,739
North Coast and Q. C. Islands..	68,372
Total..	245,915

SKEENA RIVER.

The run of sockeye on the Skeena river was a failure, in fact it was the worst run that I have known during my sixteen years of service in the Department on the northern fisheries. It is somewhat difficult to account for this failure as my reports for four and five years back show large quantities of sockeye and other varieties of salmon on the spawning grounds, even this year reports from our officers all along the Skeena, show larger quantities of sockeye arriving on the spawning grounds, than for the last two or three years, and as salmon are not in the habit of reaching the spawning grounds either by aerial or land navigation, we must conclude they proceeded up the Skeena as usual, and on account of the climatic conditions being worse than for many seasons, notably south east winds accompanied by rain, the fishermen were unable to catch them, as they invariably swim deep and those taken are usually on the lead line while those escaping keep close on the bottom, and allow the nets to scrape over their backs. After careful investigation I have come to the conclusion that salmon like other animals are gradually becoming educated and avoid the nets when seen in clear water, recognizing the element of danger to themselves. The run of spring salmon was exceptionally heavy also that of humpback, and the cohoe was in fair numbers, also steelheads. I enclose Overseer Norrie's report in connection with his division in which he mentions the spawning grounds and other matters of interest.

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RIVERS INLET.

Like the Skeena river there is a large decrease to report in the sockeye fisheries, which is practically the only variety of salmon canned on the Inlet.

The climatic conditions referred to on the Skeena were applicable to Rivers Inlet, which enabled the sockeye to escape the nets. This was due also to the fact that the sockeye were extremely small, smaller in fact than on any other season previously recorded, running all through the season fifteen to the case, the usual average being twelve to twelve and a half per case, consequently they were able to pass through the meshes of the nets, as well as avoid them in the clear water. Our officer stationed at the head of the Inlet in the mouth of the Wharnock river states that on Saturday and Sunday July 26, 27, the most marvellous sight was witnessed by himself and others, thousands upon thousands of sockeye were jumping in the rivers mouth on their way to the spawning grounds. He stated that you could see hundreds out of the water at the same time, and this continued all Saturday and part of Sunday, the fishermen were greatly excited on Sunday night, but their expectations were not realized as they came in on Monday morning with only average catches, proving that the salmon had escaped. Fishery Overseer Saugstad reports the spawning grounds on Oweekayno lake and tributary streams well stocked with salmon of all varieties. The fishery regulations were well observed throughout the season. No violations being reported.

NAAS RIVER.

The pack of salmon on this river shows the smallest decrease in any of the divisions in my district, being only some 17,000 cases, behind last year. The sockeye run was fair, we call it about a three quarter pack, I feel confident that within the next three or four years the pack of sockeye will increase considerably, as the department has opened up large additional spawning grounds on Meziaden lake, the fishway built last season enabled the salmon to surmount the falls, and proceed to the new spawning grounds. The fisheries generally are in a satisfactory condition, and Overseer Adamson reports very few violations of the fishery regulations.

NORTH COAST AND QUEEN CHARLOTTE ISLANDS.

There is also a notable decrease to record in the number of cases packed in this division, this is accounted for to some extent by the total failure of the salmon fisheries of the Queen Charlotte islands, with the exception of the spring salmon fishing. The two canneries only packing some 2,000 cases between them.

It should be remembered that the catch of spring salmon by trolling was phenomenally large, but these salmon are all mild cured and put up in tierces. This whole matter is exhaustively dealt with in Overseer Harrison's report which I beg to enclose.

I may here state that I am in hearty accord with all his suggestions contained therein relative to regulating these fisheries and have submitted a report to the Chief Inspector making certain recommendations in the premises. The sockeye run at Bella Coola was small but Kimsquit was above the average. The canneries in the central division which is under the control of Overseer Boyd, put up fair packs. With the exception of Lowe inlet, these canneries packed almost exclusively fall fish, consequently their seasons work was not remunerative, the small pack of sockeye not being sufficiently large to defray their heavy expenses.

The department is removing certain obstructions in the ascent of salmon to their spawning grounds in the vicinity of East Bella Bella Cannery which I trust will materially improve these fisheries. The fisheries regulations were well observed and Overseer Boyd reports no infringements. The run of herring in Rupert Harbour was as heavy as usual, but with the exception of the Canadian Cold Storage and a few men

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fishing gill-nets, very little attention was paid to this branch of the industry, as explained in a previous portion of my report there is no profit in the salted article, the price on the Oriental market being so low, and until there is a fair margin of profit these fisheries will not be exploited further. The herring that are taken in the seines are placed in cold storage and used for bait, and those in gill-nets are principally sold locally. I should recommend closer attention to the sockeye salmon in my district, the removal of obstructions in sockeye streams, especially on the Skeena river, at Tatcha creek, Babine lake, and more efficient patrol of the spawning grounds especially on the Naas river, and when possible the opening of additional areas of spawning grounds which sockeye frequent.

The whaling stations operated at Naden harbour and Rose harbour on the Queen Charlotte islands, had another successful season, the number of whales captured was two hundred and nineteen including four sperm whales.

I am, Sir,

Your obedient servant,

JOHN T. C. WILLIAMS,
Inspector of Fisheries.

J. T. WILLIAMS, Esq.,
Inspector of Fisheries,
Vancouver, B.C.

SIR,—During the month of April the Indians made the final preparations necessary for the spring salmon fishing. The spring salmon was used principally for mild curing and was kept as fresh as possible. They had to be collected quickly and were kept on ice up to the very time of curing. There was a substantial increase in the catch of these fish during the past season. Early in the spring it was apparent that there would be a large demand for spring salmon, and the Haidas prepared to make a record catch. They built boats averaging about sixteen feet in length, and obtained a large number of trolling lines during the winter months. On May 1, all the families from the reservation left for Langara island. A number of Icelanders also arrived and took up the work. Hundreds of fishermen from the south and from Prince Rupert including many Zimshian Indians also decided to try their fortune in this new industry. When the season commenced there were over four hundred boats and canoes on the fishing grounds. Three companies namely the Wallace Fisheries, the B. C. Fisheries and the Prince Rupert Cold Storage Company sent out launches and steamers to gather the harvest. The fishing commenced in earnest on May 20. Each fisherman carried a line from one hundred to three hundred feet in length; some had 'spoons' which revolved through the water and flashed as they turned, and thus resembled a small fish in motion. Other fishermen used the herring bait. Their boats were rowed hither and thither, about one half mile off shore and only stopped when a fish was hooked. It has not been unusual to see one fisherman haul in ten salmon during a day that averaged thirty pounds each. One of the largest caught this year was a white spring salmon that weighed one hundred and ten pounds. Several tourists this year engaged in the sport, including Seton Ker the noted traveller and writer. Indian women also went out fishing, and one woman during the past season had one hundred fish to her credit. During the early days of the fishing season the fish were very large, and some trouble originated with the fishermen over the price of the fish. The Indians asked for five cents per pound, an increase of two cents over the price paid last year. The purchasers considered this demand too high, and fishing was suspended for a few days. A number of the white fishermen held meetings and

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decided to demand five cents also. The purchasers offered four cents per pound and a compromise was effected which continued until the end of the season. The fishermen did not leave the fishing grounds to hand over their catch. A mosquito fleet of gasoline launches dodged in and out along the coast collecting and weighing the fish, and each fisherman had an account book in which the catch was entered. That the fish were plentiful was evidenced by the fact that one of the Indians turned in \$300 worth of fish after twenty days fishing during the month of June.

It has until this last season been generally thought that the only haunt of these fish in the neighbouring waters of Hecate Straits was around Langara island, but the prospectors sent out by the Canneries and the Cold Storage plants have ascertained that the spring salmon are plentiful all around Graham island. Late in the season those captured were not so large as in the early part, and many of the fishermen were of the opinion that they were of a species known as the 'Blue-backs' and weighed from ten to twenty pounds each. My opinion is that they are a distinct species of the salmon family entirely.

It is a further problem to be yet explained where these fish have their spawning grounds. The small rivers of the Queen Charlotte Islands are visited by very few of the spring salmon variety. It is probable that they come from the rivers of Alaska, and the Naas and Skeena rivers in British Columbia. In the waters of no other part of the Pacific coast are they so plentiful as around the Queen Charlotte Islands. Each year they return about the middle of May and disappear about the end of July. I am sorry to say that the Companies this year were not prepared for such a heavy run as took place, and many hundreds of fish had to be thrown away as being unfit for curing owing to the lapse of time that took place between the time they were caught and the time they reached their destination.

During the run of spring salmon the sockeyes ascend the streams, but as the work is easier catching the spring salmon and the remuneration better, the fishermen do not care to catch the sockeyes, and never make the attempt until the spring salmon run is over, and then also the sockeye run in these waters is also practically at an end; consequently whether or not the sockeyes frequent our streams in marketable numbers is yet not definitely known.

I stated in one of my letters during the month of August that I did not expect there would be a good run on humpbacks this season, as during the past thirty years I have noticed a heavy run only every alternate year, and last year these fish were very numerous, and the canneries obtained all they could handle. My opinion proved to be correct for only very few were caught, and those only in Naden Harbour at the north end of Graham Island, and at Copper river down at the south end. There is also a difference in the run of salmon between the north end and the south end of these islands. For instance, around Massett and Virago Sound when the humpback run is over the cohoes appear, and when they ascend the streams, the dog salmon appear. At the south end, when the humpback run is over the dog salmon appear, and when they ascend the streams the cohoes appear. The dog salmon had commenced to run up Skidegate Inlet when I was there in August, and yet the fishermen were trolling for cohoes between Miagwun and Yatza Point in the vicinity of Virago Sound and Naden Harbour.

All the canoes, boats and gasoline launches were in good condition during the past season, and no possible fault could be found with any of them, with the exception of the gasoline launches that carried so many poles with baited hooks. I have already referred to this abuse in my former letters under the heading of suggestions for the regulation of the spring salmon fisheries. These suggestions are as follows:—A close season for trolling for spring salmon should be enforced from Saturday noon to six o'clock on Sunday evening of each week. This close season in my opinion should be inaugurated next year, as the spring salmon although plentiful at present are by no

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means inexhaustible. The hook and line fishermen never catch these fish more than one mile off shore and in water no stormier than the waters of the Skeena and Naas rivers. When the water is too stormy on one side of Langara island they can fish on the other and vice versa. Last year most of the Indians quit fishing generally on Saturday noon and were towed by either the cannery steamer or gasoline boat to the cannery to spend Sunday with their friends. Sunday evening they were again towed to the fishing camps and did not as a rule commence to fish before Monday morning, so practically making for themselves thirty-six hours more or less for the weekly close season. It was only the white fishermen and a few of the Indians who remained behind at the camps that fished last year on Sunday with hook and line. The leading Indians complained to me several times last year about the Whites fishing on Sunday as they themselves rested on that day and desired to see the white fishermen do the same. Taking all these points into consideration there can be very little harm done or loss caused by enforcing the weekly close season for the hook and line fishermen similar to that now in force for those who fish with nets and seines. This year a large number of Whites, Zimshians, Haidas and Skidegate Indians fished every Sunday, but yet the Massett Haidas do not really care to fish on Sunday and would prefer to have one day in the week as a rest day.

MOTOR BOATS.

No motor boats should be allowed to fish for spring salmon or salmon of any kind. This year more than twenty gasoline launches were engaged and some of them had as many as seven poles erected around the mast and the cabin with lines and baited hooks, besides using the hand lines. The Indians and some of the Whites declared that these men in gasoline launches destroyed equally as many fish as they captured, as when the fish bite at the hooks worked on these poles often times their jaws are torn away and they escape only to die, a dead loss to all concerned. This is due to the lines tightening up at once at the rate they are going, and something has to give way, which most frequently are the jaws, &c., of the salmon and not the poles and lines. These motor boats also interfere a good deal with the row-boats and canoes. Being able to go so much faster than a row-boat, they circle around the row-boats and often times get their lines tangled up with those trolling from row-boats and canoes, thereby causing a great deal of unpleasantness. The great majority of the fishermen used row-boats and canoes, one man to the boat, and made very good wages. One Indian in one day by trolling from a canoe made \$44; and many of those who used row-boats and canoes made \$20 to \$25 per diem. This being the case I do not see the necessity of allowing motor boats to take part in these fisheries, and by prohibiting the use of motor boats entirely more men would be able to find employment. My opinion is that only one line should be allowed each boat or canoe as this mode of fishing is adopted by the Indians, and they catch on an average more fish than the Whites. One man to one boat with one line is the way the Indians troll for spring salmon, and they are the successful fishermen.

NUMBERING OF THE BOATS.

Another point that should be considered is the numbering of the boats. All boats and canoes engaged in trolling should be numbered, so that in case of any disturbance or trouble, the number of the boat or boats of the men making the trouble could be taken. Owing to the large number of boats on the fishing grounds it is impossible for strangers to know the names of the owners.

LICENSE FEE.

As the spring salmon fishermen by trolling make as much if not more than the gill-net fishermen for the other kinds of salmon, I would suggest that at the

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commencement of each season the fishermen should be compelled to take out a license, the fee to equal that for a gill-net license. As soon as the license is granted the number should be painted on the boat in two conspicuous places.

CLASS OF FISHERMAN.

None but British subjects and pre-emptors who have declared their intention to become British subjects should be allowed to obtain licenses.

The above after careful consideration is my opinion regarding the spring salmon fisheries, and most of these points I discussed with the superintendent when he visited Massett last year.

The gasoline patrol launch *Josephine* was only used barely half the time during the past season as compared with that of 1912, as the humpback salmon being scarce, there was no need of incurring greater expense than was absolutely necessary. This year the Indians only were engaged with seine and gill-net for the humpback and coho salmon, and knowing that I was liable at any moment to be on their fishing grounds during the weekly close season, all returned on Saturday morning of each week to the canneries and did not leave until Sunday evening. This year also the Wallace Fisheries did not man the Wallace No. 1 with Dagoes and a Purse Seine; consequently this caused my work to be easier than that of last year. During the past season the *Josephine* was engaged thirty-eight days and travelled 1,556 miles. Knowing that this vessel was chartered for the sole purpose of protecting the fisheries had a deterrent effect, and but for its existence many doubtless would have fished illegally and the weekly close season would probably never have been observed. During my cruises around the rivers I took great care to see that all the fishery signs were in their proper places and distinctly visible.

I have visited also from time to time the various saw-mills on these islands, and the owners are now burning up their saw-dust, so that at the present time no fishing stream is polluted with either saw-dust or any other kind of mill refuse.

NEW BOAT THE 'GANNET.'

The new boat appears to be very satisfactory with the exception of the large mast. It is I think too heavy for the size of the vessel. It should be removed and a smaller one should take its place with a smaller sail, as in a gale of wind the present mast and sail seem to make the boat too top-heavy. She is suitable in my opinion for the purpose for which she was first intended for, *i.e.*, for the purpose of protecting the salmon fisheries from the 1st of April to the end of October between Langara island, Skidegate and Kumshewa Inlet, but not quite suitable for patrol work during the stormy winter months. A larger vessel about 100 or 125 feet in length is necessary to protect the fisheries around these islands during the winter months, and this vessel then could be used to protect the salmon fisheries when the canneries are in operation.

FUTURE DEVELOPMENT.

It is expected that the coming year will eclipse all past records for the fisheries around the Queen Charlotte Islands. The Atlin Construction Company intends to build a saltery, wharf and other buildings at Langara island. It is reported that the Wallace Fisheries will install a cold storage plant at Naden Harbour, and the British Columbia Fisheries are contemplating the expenditure of \$150,000 in rehabilitating their plant at Aliford bay. The halibut grounds will be thoroughly tested and all kinds of fish will be handled by the companies interested, giving employment to fishermen the whole year. The fishing for spring salmon which was stopped at an early date this year, will give large returns if carried on during the whole season. It is expected that the humpback

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run will be a phenomenal one next year. The cod banks and dog-fish grounds will give a good return, which will show as never before, the wealth of the fish in the immediate neighbourhood of Graham and Langara islands. It is also expected that a number of tourists will visit the island next year to engage in the sport of trolling for spring salmon.

I have the honour to be, Sir,

Your obedient servant,

C. HARRISON,
Fishery Overseer.

J. T. WILLIAMS, Esq.,
Inspector of Fisheries,
Vancouver, B.C.

SIR,—I beg to submit the following report in connection with the head waters, and spawning grounds of the Skeena river for the season of 1913.

On Beat No. 1, under the care of Guardian Henry Frank, everything has been quite satisfactory, the fisheries regulations have been well observed, and the Indians have given no trouble. This beat, extends from tide-water to Hazelton, taking in all the tributaries, and at the headwaters of some of these streams, good sockeye spawning grounds exist. The Kitsumkalum spawning grounds were visited three times during the season, and each time sockeye were numerous. Mr. Frank also visited Kitwancool lake twice during the season. This lake which is drained by the Kitwanger river, after a course of twenty-five miles joins the Skeena just below the Indian village of that name. This is the most extensive sockeye spawning area on this No. 1 Beat. The grounds were well stocked with parent sockeye, and the beds were well seeded. He says further in his report, 'The season closes with an abundance of rain, and indications are, that the water will be high in the streams and lakes during the coming winter, thus protecting the spawn from freezing.' I may say, that this presentiment turned out correct for rivers and lakes near the coast remained high until after the ova had hatched.

Beat No. 2 has been under the care of Guardian R. L. D'Egville. This beat, with headquarters at Hazelton, embraces practically the whole of the Skeena watershed above Hazelton, with the exception of the principal, and by far the most extensive sockeye spawning ground namely, the Babine river, lake, and tributaries. The Bulkley river, also is included in, and cared for by the Guardian on this beat. On one section of his charge he follows the Yukon telegraph trail for one hundred and thirty miles which takes him over the divide, and on to the headwaters of the Naas river, and at Blackwater lake ends the most tiresome and arduous trip to be covered on this beat. Mr. D'Egville found large quantities of spring salmon spawning in the river that drains Blackwater lake, and after staying around the locality for three days, recrossed the divide, and visited Schalm Geese lakes, which are drained by a stream running into the Skeena. Considerable salmon have found their way on to these spawning grounds, and though of no great extent, I have always considered them the best in this part of the watershed. This section of the mountains seems to have had more than the average share of rain. The streams were in flood all the time the guardian was there, and he was five weeks visiting the different places of interest along this route, and the Indians were having a hard time catching their supply of salmon for food purposes, on account of the high water. He says in his report, 'the travelling beggars description, the trail being under water for long distances, and I, covered with mud to the hips every day.' At Kuldo, Kispiax, Glen Vowel, Hagwilgat, and Morristown, the Indians respected the fisheries regulations. Kiskagas was not visited this season. The Indians

5 GEORGE V., A. 1915

at this village fish entirely in a narrow swift canyon, which is situated about five miles up the Babine river from its junction with the Skeena, and is about fifty-six miles north of Hazelton. A visit to this place once in every two seasons I think is sufficient, for the Indians only take what they require for food, and there is no place suitable for a barricade.

On Beat No. 3 Guardian MacKendrick, who was assisted by Guardian Collins, sends in a very satisfactory report. This being the year the Babine Indians were to receive their new nets, it devolved upon Mr. MacKendrick (who was at the last distribution) to apportion them out in the usual way, and which was done to the satisfaction of every one concerned. On the Neel-kit-kwah river, a stream which joins the Babine some few miles below Babine lake, the run of sockeye was a little below the average, and the spring salmon were much more plentiful, than for quite a number of years past. On salmon creek, (the creek on which the Babine hatchery is built) the run of sockeye is larger than ever before, and Mr. MacKendrick says in his report, 'At no time have I seen the hatchery able to secure the full complement from this creek alone, yet this season Mr. Gibbs, the superintendent, filled the establishment from this creek in ten days, and would have had no trouble in securing double the amount if necessary, also on this creek, the fish seem larger and of a more uniform size than on most of the other streams.' On Taché creek, the run is greatly improved, and this was the worst stocked stream running into the lake last season. Pierre creek is well supplied, and on fifteen mile the run is larger than it has ever been since Mr. MacKendrick has been in the service, and Mr. Crawford from Stuart lake hatchery collected nearly all the ova necessary to fill that establishment from this stream. Four mile creek is fairly well stocked, Grizzly and Beaver creek are both below the average and on the mile of river (Babine) just below the bridge sockeye were scarce, and this stretch of river last year was the best ground we had. Spring salmon are not plentiful above the bridge, and the run of coho which had got well started when Mr. MacKendrick left, was he considered up to the average.

I am Sir,
Your obedient servant,

STEWART NORRIE,
Overseer of Fisheries.

NANAIMO, B.C., June 11, 1914.

F. H. CUNNINGHAM, Esq.,
Chief Inspector of Fisheries,
New Westminster, B.C.

SIR,—I have the honour to submit my annual statistical report of the fisheries of Vancouver Island and the adjacent mainland, District No. 3, in the Province of British Columbia, for the fiscal year ended March 31, 1914.

The various branches of the fishing industry throughout the district show satisfactory development:—

Salmon.—The salmon catch for the past season amounted to 297,450 cwts. showing an increase of 76,040 cwts. over the catch of 1912-1913. This year's pack of sockeye reached 129,925 cases, an increase of 51,887 over that of last year. The run of spring salmon was also above the average. The run of salmon in the Nimpkish river was much larger than in any previous year, and the catch at Barclay Sound and in the traps of the west coast of Vancouver Island was also very satisfactory, but the catch at Quatsino and Clayoquot did not come up to the average. On the mainland coast the packs were not equal to those of last year. After the close of

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the season the Jervis Inlet Canning Company sustained a great loss on account of the destruction of their cannery by fire. A salmon cannery was operated at Nanaimo for the first time, and put up a pack of 2,500 cases of sockeye.

Four salmon salteries operated this season, three at Nanaimo and one in the Pender harbour district. All of these obtained good catches. The salmon packed at these places were shipped to the Orient.

Cod.—Cod fishing received more attention during the past season than ever before, and the catch therefore was the largest in the history of these fisheries. I consider that, owing to the greater part of the cod fishing being done in the extensive channels lying between Vancouver Island and the mainland, it is necessary that a close season be enforced for the protection of this valuable industry. The spawning season extends from about the middle of January to the end of February, and to save the codfish from depletion, fishing should be prohibited during that time.

Herring.—The herring fisheries in this district continue to increase, the returns showing an increase of 41,340 cwts. over the catch of last year. The greater quantity of herring was taken in the Nanaimo district, where fifteen salteries were operated. Three of these salteries had been newly erected at Cowichan gap on Galiano island, as the fishing areas in this vicinity are among the most prolific in the district. On the west coast of Vancouver Island at Barclay sound and Clayoquot, more attention is being paid to the herring fisheries, and with the improved facilities for shipping, and unlimited markets in the Orient, the outlook for this branch of the fishing industry is bright, and no doubt it will assume much larger proportions in the future. The herring spawning areas were well protected during the spawning season and were well stocked with ova.

Halibut.—The halibut fisheries again show a substantial increase over previous years. This was owing to the fact that more boats were operated on the west coast of Vancouver Island than ever before. The success of the halibut fishing depends to a great extent on the weather conditions, as the halibut banks on the west coast of Vancouver Island are exposed to the full force of the Pacific, and the catch of last season would have shown even better results if more favourable weather had prevailed.

Clams.—The catch of clams this year was 10,000 barrels. Two clams canneries were operated and 7,328 cases were put up.

Whales.—The whaling stations at Sechart and Kyuquot on the west coast of Vancouver Island captured 486 whales; the former station taking 4 sperm whales, 5 sulphurbottoms, 30 finbacks, and 236 humpbacks, a total of 275; and the latter station, 7 sperm, 5 sulphurbottoms, 63 finbacks, and 136 humpbacks, a total of 211. At these stations in the year of 1912-1913, 16 sperm whales were taken, and in the year previous 24.

Fur seals.—The sealing operations carried on by the Indians along the west coast of Vancouver Island resulted in the capture of 119 fur seals valued at \$3,570. The Indians hunt the seal under primitive conditions using their canoes and killing the seal with spear. The Fishery Overseers on the west coast have been vigilant to see that the regulations governing the taking of the fur seal are strictly complied with by the Indians.

In concluding this report I am pleased to be able to state that the Fishery Regulations throughout the district were well enforced by the various Overseers. This is largely owing to the facilities provided by the Department for the Overseers in the proper patrol of their districts.

I am Sir,

Your obedient servant,

EDWARD G. TAYLOR,
Inspector of Fisheries.

SUMMARY

Of the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., state, for **District No. 1, Province of British Columbia,** during the year 1913-14.

Kinds of Fish.	Caught and Landed in a Green State.		Marketed.		Total Marketed Value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	\$
Salmon..... cwts.	797,524	4,871,406			
" used fresh..... "			63,881	958,215	
" canned..... cases.			732,059	4,026,324	
" salted (dry)..... cwts.			92,445	574,450	
" mild cured..... "			38	646	
" smoked..... "			1,825	31,025	
					5,590,660
Cod..... "	12,690	63,450			
" used fresh..... "			12,094	96,752	
" green-salted..... "			181	1,810	
" dried..... "			78	1,048	
					99,610
Herring..... "	29,502	88,506			
" used fresh.. .. "			14,204	113,632	
" dry-salted..... "			72	720	
" smoked.. .. "			7,588	94,850	
					209,202
Shad..... "	11	56			
" used fresh.-..... "			11		168
Halibut, used fresh..... "	93,677	538,642	93,677		929,160
Flounders..... "	580	1,832	580		3,480
Smelts..... "	1,835	8,257	1,835		18,350
Oulachans..... "	232	928	232		1,856
Octopus..... "	211	1,969	211		2,329
Sturgeon..... "	1,090	8,720	1,090		16,350
Bass..... "	565	2,542	565		3,955
Tom Cod..... "	418	2,090	418		3,344
Mixed Fish. "	3,058	10,703	3,058		24,464
Oysters..... brls.	2,680	9,380	2,680		9,380
Clams..... "	5,567	11,134			
" used fresh..... "			5,567		27,835
Dulse, crabs and other shell fish. cwts.	2,285	12,869	2,285		20,030
Shrimps..... "	43	435	43		870
Guano..... tons.			589		18,974
Fish Oil..... gallons.			97,650		32,770
Totals		5,632,919			7,012,787

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SUMMARY

Of the Number of Fishermen, &c., and of the Number and Value of Fishing Vessels, Boats, Nets, &c., in District No. 1, Province of British Columbia, for the year 1913-1914.

	Number.	Value.
		\$
Steam fishing vessels (tonnage 1,060).....	5	272,875
Sailing and gasoline vessels.....	12	30,000
Boats (sail)..	385	32,725
" (gasoline).....	2,174	869,600
Carrying smacks ..	34	25,500
Gill nets, seines, trap and smelt nets, etc.....	3,479	508,415
Trawls.....	22	1,100
Hand lines.....	388	970
Oil factory.....	1	40,000
Salmon canneries...	34	2,116,410
Salteries.....	12	1,200
Freezers and Ice-houses.....	5	470,000
Smoke and Fish-houses.....	11	330,000
Fishing piers and wharves.....	46	1,431,689
Totals.....		6,130,484

Number of men employed on vessels.....	75
" " boats.....	5,142
" " carrying smacks.....	68
" persons employed in Fish-houses, freezers, canneries, &c.....	3,493
Total.....	8,778

RETURN showing the Number of Fishermen, etc., the Number and Value of Vessels and Boats, and the Quantity and Value of all Fishing Gear, etc., used in the Fishing Industry in District No. 2, Province of British Columbia, during the year 1913-14.

Fishing Districts.	Vessels, Boats and Carrying Smacks.										Fishing Gear.				Canneries		Other Material.			Persons employed in Canneries, Freezers and Fish - Houses.			
	Steam Vessels.			Sailing and Gasoline Vessels.			Boats.		Gill Nets, Seines, Trap, etc.	Skate of Gear 400 f- I skate.		Hand Lines.		Salmon Canneries.	Freezers and Ice houses.	Whaling Stations.	Fishing Piers and Wharves.						
	Number.	Tonnage.	Value.	Men.	Number.	Value.	Men.	Sail.		Value.	Men.												
												(10 to 20 tons Number.											
1 Skeena and Prince Rupert.....	34	1536	308250	368	38	105700	85	850	1411	175344	1360	27200	.....	.....	.....	13	735000	5	612000	.....	14	155000	1660
2 Rivers Inlet .....	.....	.....	.....	.....	15	56000	49	700	747	93800	.....	.....	.....	.....	.....	7	400000	.....	.....	.....	8	68000	960
3 Naas River. ....	.....	.....	.....	.....	10	19000	20	240	444	51100	.....	.....	.....	.....	.....	4	195000	.....	.....	.....	6	39000	350
4 North Coast. ....	.....	.....	.....	.....	25	101500	65	339	415	61425	.....	.....	.....	.....	.....	9	285000	.....	.....	.....	11	75000	580
5 Queen Charlotte Islands.....	7	375	100000	55	11	40800	33	60	66	15200	528	10560	1000	1000	2	80000	2	120000	2	240000	8	140000	400
Totals	41	1911	408250	423	99	323000	252	2189	3083	396869	1888	37760	1000	1000	7	732000	2	240000	47	477000	.....	3950	
Number.																				Number.			

Number. 1 2 3 4 5

THE CATCH.

RETURN showing the Quantities and Values of all Fish caught and landed in a Green State, in the District No. 2, Province of British Columbia, during the year 1913-14.

Fishing Districts	Salmon, cwt.	Salmon, value.	Cod, cwt.	Cod, value.	Herring, cwt.	Herring, value.	Halibut, cwt.	Halibut, value.	Trout, cwt.	Trout, value.	Onachans, cwt.	Onachans, value.	Shrimps, cwt.	Shrimps, value.	Mixed Fish, cwt.	Mixed Fish, value.	(Clams, brl.)	(Clams, value.	Dulse, crabs, cockles and other shellfish.	Dulse, crabs, cockles and other shellfish.	Whales, number.	Whales, value.	Number.
1 Skeena and Prince Rupert	172970	370664	1205	6025	42710	42710	89479	447395	45	450	1500	7500	75	750	100	500	...	...	125	750	...	...	1
2 Rivers Inlet	57550	104250	...	...	30	30	35	175	5	50	5000	25000	...	...	17	85	...	...	...	...	...	...	2
3 Naas River	54200	99865	...	...	1000	1000	7000	35000	6	60	7000	35000	...	...	60	300	...	...	...	...	...	...	3
4 North Coast	119220	220557	...	...	11000	11000	1000	5000	7	70	450	2250	...	...	80	400	...	...	...	...	...	...	4
5 Queen Charlotte Islands.	10440	12528	...	...	7500	7500	9974	49870	8	80	...	...	...	...	500	2500	1000	2000	...	...	219	65700	5
Totals	414380	807864	1205	6025	62240	62240	107488	537440	71	710	13950	69750	75	750	757	3785	1000	2000	125	750	219	65700	

Cwt. 100 lbs.

THE CATCH MARKETING.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, pickled, canned, &c., state, for District No. 2, Province of British Columbia, during the year 1913-14.

Fishing Districts.	Salmon, used fresh and frozen,* cwt.	Salmon, canned, cases.	Salmon, salted, cwt.	Salmon, mild cured, cwt.	Salmon, smoked, cwt.	Cod, used fresh, cwt.	Herring, used fresh, cwt.	Herring, smoked, cwt.	Herring, pickled, brl.	Herring, used as bait, brl.	Halibut, used fresh, cwt.	Trout, used fresh, cwt.	Oulachans, used fresh, cwt.	Shrimps, used fresh, cwt.	Mixed fish, used fresh, cwt.	Clams and quahaugs, used fresh, cwt.	Dulse, crabs, cockles and other shell fish, used fresh.	Fur seal skins, number.	Hair seal skins, number.	Fish oil, gals.	Whale oil, gals.	Number.	
1 Skeena and Prince Rupert	9397	164055	.....	16940	200	1205	.....	.....	.....	21355	89479	45	1500	75	100	.....	125	.....	370	.....	900	.....	1
2 Rivers Inlet. ....	.....	68096	.....	.....	200	.....	.....	.....	10	.....	35	5	5000	.....	17	.....	.....	.....	400	.....	700	.....	2
3 Naas River	7200	53423	.....	850	500	.....	1000	.....	.....	.....	7000	6	7000	.....	60	.....	.....	.....	450	.....	15000	.....	3
4 North Coast	522	129799	.....	204	5500	.....	.....	.....	.....	5500	1000	7	450	.....	80	.....	.....	.....	900	.....	800	.....	4
5 Queen Charlotte Islands .....	.....	2080	3000	1020	2000	.....	3000	250	1333	.....	9974	8	.....	.....	500	1000	.....	.....	400	.....	29000	292556	5
Totals.....	17119	417453	3000	19014	8400	1205	4000	250	1343	26855	107488	71	13950	75	757	1000	125	285	2520	46100	292556		
Rates.....	5	5	5	10	10	5	1	10	2.50	1	5	10	5	10	5	2	6	30	25	30	30		
Values	85595	2087265	15000	190140	84000	6025	4000	2500	3357	26855	537440	710	69750	750	3785	2000	750	8550	630	13920	87766		
Total value.....																							\$3,230,788

* Cwts = 100 lbs. † Quintal = 112 lbs.

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RECAPITULATION

Of the quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state, for District No. 2, Province of British Columbia, during the year 1913-14.

Kinds of fish.		Caught and Landed in a Green State.		Marketed.		Total marketed value.
		Quantity.	Value.	Quantity.	Value.	
			\$		\$	\$
Salmon.....	Cwts.	414,380	807,864			
" used fresh.	"			17,119	85,595	
" canned.	Cases.			417,453	2,087,265	
" salted (dry).....	Cwts.			3,000	15,000	
" mild cured.....	"			19,014	190,140	
" smoked.....	"			8,400	84,000	
						2,462,000
Cod....	Cwts.	1,205	6,025			
" used fresh	"			1,205		6,025
Herring.....	"	62,240	62,240			
" used fresh.....	"			4,000	4,000	
" smoked.....	"			250	2,500	
" pickled.....	Brls.			1,343	3,357	
" used as bait	"			26,855	26,855	
						36,712
Halibut, used fresh.....	Cwts.	107,488	537,440	107,488		537,440
Trout ...	"	71	710	71		710
Oulachans.....	"	13,950	69,750	13,950		69,750
Shrimps.....	"	75	750	75		750
Mixed Fish.....	"	757	3,785	757		3,785
Clams..	Brls,	1,000	2,000			
" used fresh	"			1,000		2,000
Crabs, Cockles and other shell fish.....	Cwts.	125	750	125		750
Fur seal skins.....	No.			285		8,550
Hair seal skins	"			2,520		630
Wales... .	"	219	65,700			
Fish oil.....	Gals.			46,400		13,920
Whale oil.....	"			292,556		87,766
Totals.....			1,557,014			3,230,788

RECAPITULATION

Of the Number of Fishermen, &c., and of the Number and Value of Fishing Vessels, Boats, Nets, &c., in District No. 2, Province of British Columbia, for the year 1913-14.

	Number.	Value.
		\$
Steam Fishing Vessels (tonnage 1911).....	41	408,250
Sailing and Gasoline Vessels.....	99	323,000
Boats (sail)	2,189	164,200
Gill Nets, Seines, Trap and Smelt Nets, etc.....	3,083	396,869
Skates of Gear (400 fath - 1 Skate).....	1,888	37,760
Hand Lines	1,000	1,000
Salmon Canneries.....	35	1,695,000
Freezers and Ice-houses.....	7	732,000
Fishing Piers and Wharves	47	477,000
Whaling Stations.....	2	240,000
Totals.....		4,475,079

Number of men employed on Vessels.....	675
" " Boats.....	3,692
" persons employed in Fish-houses, Freezers, Canneries, &c.....	3,950
Totals.....	8,317

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RETURN showing the Number of Fishermen, &c., the Number and Value of Vessels and Boats, and the Quantity and Value of Fishing Gear, &c., used in the Fishing Industry in District No. 3, Province of British Columbia, during the year 1913-14.

Fishing Districts.		Steam Vessels.					Sailing and Gasoline Vessels.					Boats.					Carrying Snacks.	
		Number.	Tonnage.	Value.	Men.	Number. (40 tons and over)	Number. (20 to 40 tons)	Number. (10 to 20 tons)	Value.	Men.	Sail.	Value.	(Gasoline.)	Value.	Men.	Number.	Value.	
1	Nanaimo...	1	40	8000	2			1	32300	175			67	49245	190	85	16350	1
2	Cowichan	1	210	140000	24			2	80000	76	65	3250	63	32300	250	20	8000	2
3	Alberni.	4	285	137450	57			3	17780	24	10	900	21	12200	71	9	6300	3
4	Clayoquot..					1		3	25500	27			2	1500	4	12	8400	4
5	Quatsino	3	225	195000	30			1	4600	3	10	900	2	1600	22	14	1400	5
6	Alert Bay							4	32000	20	17	1150	37	19000	167	12	7800	6
7	Quathiaski							2	11000	16	170	6200	14	7000	195	3	1200	7
8	Comox....							1	7000	18			1	705	2	1	700	8
9	Pender Harbour							3	10000	25	200	5000	50	25000	320			9
Totals.....		12	790	390450	119	1		36	220180	324	502	20680	260	148550	1221	156	50150	

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RETURN showing the Quantities and Values of all Fish caught and landed in a Green State in District No. 3, Province of British Columbia, during the year 1913-14.

Number.	Fishing Districts.	Salmon, * cwt.	Salmon, value.	Cod, cwt.	Cod, value	Herring, cwt.	Herring, value.	Halibut, cwt.	Halibut, value.	Flounders, cwt.	Flounders, value.	Smelts, cwt.	Smelts, value.	Trout, cwt.	Trout, value.	Oulachans, cwt.	Oulachans, value.	Mixed fish, cwt.	Mixed fish, value	Clams, brls.	Clams, value.	Dulse, crabs, Coc- kles, etc., cwt.	Dulse, crabs, Coc- kles, etc., value.	Whales, Number.	Whales, value.	Number.
1	Nanaimo.....	41600	208000	3150	15750	506360	506360	.....	.....	250	1250	30	180	35	350	.....	.....	1150	5750	4310	8020	450	1800	.....	.....	1
2	Cowichan.....	80503	402515	2950	14750	1200	1200	4800	24000	165	825	60	360	165	1650	.....	.....	1100	5500	5025	10050	250	1000	.....	.....	2
3	Alberni.	45600	228000	350	1750	41650	41650	8200	41000	35	175	15	90	150	1500	.....	.....	450	2250	55	110	75	300	275	82500	3
4	Clayoquot.....	7738	38690	250	1250	400	400	3500	17500	25	125	15	90	40	400	.....	.....	350	1750	85	170	65	260	.....	.....	4
5	Quatsino	27398	136990	275	1375	300	300	5500	27500	25	125	10	60	25	250	.....	.....	325	1625	60	120	55	220	211	63300	5
6	Alert Bay.....	56520	282000	450	2250	360	360	300	1500	75	375	60	360	35	350	175	875	375	1875	110	220	150	600	.....	.....	6
7	Quathiaska.....	14983	74915	850	4250	700	700	.....	.....	225	1125	75	450	60	600	375	1875	600	3300	95	190	165	660	.....	.....	7
8	Comox.....	4000	20000	950	4750	350	350	.....	.....	150	750	50	300	75	750	.....	.....	750	3750	185	370	200	800	.....	.....	8
9	Pender-Harbour.....	19108	95540	6100	30500	6000	6000	.....	.....	650	3250	40	240	65	650	.....	.....	1500	7500	75	150	150	600	.....	.....	9
	Totals.....	297450	1487250	15325	76625	557320	557320	22300	111500	1600	8000	355	2130	650	6500	550	2750	6660	33300	10000	20000	1560	6240	486	145800	

*Cwt. = 100 lbs

THE CATCH MARKETED.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., state, for District No. 3, Province of British Columbia, during the year 1913-14.

Number.	Fishing Districts.	Salmon, used fresh and frozen * cwt.	Salmon, canned, cases.	Salmon, salted, cwt.	Salmon, mild-cured, cwt.	Salmon, smoked, cwt.	Cod, used fresh, cwt.	Herring, used fresh, cwt.	Herring, smoked, cwt.	Herring, pickled, brl.	Herring, used as bait, brl.	Herring, dry salted, cwt.	Halibut, used fresh, cwt.	Number.
1	Nanaimo.....	4500	2500	28000	6150	3300	3150	1000	.....	300	.....	296741	.....	1
2	Cowichan.....	7200	60968	.....	.....	.....	2950	1200	.....	.....	.....	.....	4800	2
3	Alberni.....	3600	50000	.....	.....	.....	350	16500	100	.....	80	14600	8200	3
4	Clayoquot.....	3600	4926	.....	.....	.....	250	400	.....	.....	.....	.....	3500	4
5	Quatsino.....	3600	28331	.....	.....	.....	275	300	.....	.....	.....	.....	5500	5
6	Alert Bay.....	3600	63000	.....	.....	.....	450	360	.....	.....	.....	.....	300	6
7	Quathiaaka.....	3600	13552	.....	.....	.....	850	700	.....	.....	.....	.....	.....	7
8	Comox.....	4000	.....	.....	.....	.....	970	350	.....	.....	.....	.....	.....	8
9	Pender Harbor.....	3600	18463	.....	.....	.....	6100	3000	.....	.....	.....	1765	.....	9
	Totals.....	37300	250740	28000	6150	3300	15325	23810	100	300	80	313106	22300	
	Rates.....	\$ 12 00	6 50	2 00	4 00	10 00	10 00	10 00	10 00	2 50	2 00	1 50	12 00	
	Values.....	\$ 447600	1629810	56000	24600	33000	153250	238100	1000	750	160	469659	267600	

* Cwts. = 100 lbs.

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THE CATCH MARKETING.

RETURN showing the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., state, for District No. 3, Province of British Columbia, during the year 1913-14. — *Concluded.*

Number.	Fishing Districts.													Number.
	Flounders, used fresh, cwt.	Smelts, used fresh, cwt.	Trout, used fresh, cwt.	Oulachans, used fresh, cwt.	Mixed Fish, used fresh, cwt.	Clams and Quahangs, used fresh, bbls.	Clams and Quahangs, canned, cases.	Dulse, crabs, cockles and other shell fish, used fresh, cwt.	Fur Seal Skins, number.	Whale Bone, cwt.	Whale Bone Meal, cwt.	Fertilizer, tons.	Whale Oil, gals.	
1 Nanaimo.....	250	30	35		1150	1000	3310	450						
2 Cowichan.....	165	60	165		1100	1007	4018	250						
3 Alberni.....	35	15	150		450	55		75		24	5500	549	6813	
4 Clayoquot.....	25	15	40		350	85		65	116		4250	511	5637	
5 Quatsino.....	25	10	25		325	60		55	3	80				
6 Alert Bay.....	75	60	35	175	375	110		150						
7 Quathiaska....	225	75	60	375	660	95		165						
8 Comox.....	150	50	75		750	185		200						
9 Pender Harbor ..	650	40	65		1500	75		150						
Totals	1600	355	650	550	6660	2672	7328	1560	119	104	9750	1060	12450	
Rates	5 00	10 00	10 00	10 00	5 00	2 00	4 00	10 00	30 00					
Values.....	8000	3550	6500	5500	33300	5344	29312	15600	3570	478	10725	40280	164135	

Total value \$3,647,823.

* Cwt. = 100 lbs.

RECAPITULATION.

OF the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, &c., state, for District No. 3, Province of British Columbia, during the year 1913-14.

Kinds of Fish.	Caught and landed in a Green State.		Marketed.		Total marketed value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	\$
Salmon cwts.	297,450	1,487,250			
" used fresh and frozen. "			37,300	447,600	
" canned cases.			250,740	1,629,810	
" salted cwts.			28,000	56,000	
" mild cured "			6,150	24,600	
" smoked "			3,300	33,000	
					2,191,010
Cod "	15,325	76,625			
" used fresh "			15,325		
					153,250
Herring "	557,320	557,320			
" used fresh "			23,810	238,100	
" smoked "			100	1,000	
" pickled brls.			300	750	
" used as bait "			80	160	
" dry salted cwts.			313,106	469,659	
					709,669
Halibut cwts.	22,300	111,500	22,300		267,600
Flounders "	1,600	8,000	1,600		8,000
Smelts "	355	2,130	355		3,550
Trout "	650	6,500	650		6,500
Oulachans "	550	2,750	550		5,500
Mixed Fish "	6,660	33,300	6,660		33,300
Clams and Quahaugs brls.	10,000	20,000			
" " used fresh "			2,672	5,344	
" " canned cases.			7,328	29,312	34,656
Crabs, Cockles and other shell fish	1,560	6,240	1,560		15,600
Whales "	486	145,800			
Fur Seal Skins No			119		3,570
Whale bone cwts.			104		478
Whale bone meal "			9,750		10,725
Fertilizer tons.			1,060		40,280
Whale Oil gals.			12,450		164,135
Totals		2,457,415			3,647,823

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RECAPITULATION.

Of the Number of Fishermen, etc., and of the Number and Value of Fishing Vessels, Boats, Nets, &c., in District No. 3, Province of British Columbia, for the year 1913-14.

	Number.	Value.
		\$
Steam Fishing Vessels (tonnage 790).....	12	390,450
Sailing and Gasoline Vessels.....	45	220,180
Boats (sail).....	502	20,680
Boats (gasoline).....	260	148,550
Carrying Smacks.....	156	50,150
Gill Nets, Seines, Trap and Smelt Nets, etc.....	303	125,840
Hand Lines	2,900	2,900
Salmon Canneries.....	12	304,000
Clam Canneries ...	1	3,000
Freezers and Ice-houses.....	3	300,000
Smoke and Fish-houses.....	18	58,300
Whaling Stations.....	2	260,000
Total.....		1,884,050

Number of men employed on Vessels.....	443
" " Boats.....	1,221
" persons employed in Fish-houses, Freezers, &c.....	1,948
Total.....	3,612

RECAPITULATION.

OF the Quantities and Values of all Fish caught and landed in a Green State, and of the Quantities and Values of all Fish and Fish Products Marketed in a fresh, dried, pickled, canned, etc., state, for the **Whole** Province of **British Columbia**, during the year 1913-14.

Kinds of Fish.	Caught and landed in a green state.		Marketed.		Total Marketed Value.
	Quantity.	Value.	Quantity.	Value.	
		\$		\$	\$
Salmon..... cwts	1,509,354	7,166,520			
" used fresh..... "			118,300	1,491,410	
" canned..... cases.			1,400,252	7,743,399	
" salted (dry)..... cwts.			123,445	645,450	
" mild cured..... "			25,202	215,386	
" smoked..... "			13,525	148,025	
					10,243,670
Cod..... "	29,220	146,100			
" used fresh..... "			28,624	256,027	
" green-salted..... "			181	1,810	
" dried..... "			78	1,048	
					258,885
Herring..... "	649,062	708,066			
" used fresh..... "			42,014	355,732	
" dry salted..... "			313,178	470,379	
" smoked..... "			7,938	98,350	
" pickled..... brls.			1,643	4,107	
" used as bait..... "			26,935	27,015	
					955,583
Shad .. cwts.	11	56	11		168
Halibut, used fresh..... "	223,465	1,187,582	223,465		1,734,200
Flounders..... "	2,180	9,832	2,180		11,480
Smelts .. "	2,190	10,387	2,190		21,900
Trout..... "	721	7,210	721		7,210
Oulachans..... "	14,732	73,428	14,732		77,106
Octopus..... "	211	1,969	211		2,329
Sturgeon..... "	1,090	8,720	1,090		16,350
Bass..... "	565	2,542	565		3,955
Tom Cod..... "	418	2,090	418		3,344
Mixed fish..... "	10,475	47,788	10,475		61,549
Oysters..... brls.	2,680	9,380	2,680		9,380
Clams..... "	16,567	33,134			
" used fresh..... "			9,239	35,179	
" canned..... cases.			7,328	29,312	
					64,491
Dulse, cockles, shrimps, etc..... cwts.	4,038	21,044	4,088		38,000
Fur seal skins..... No.			404		12,120
Hair seal skins..... "			2,520		630
Whales..... "	705	211,500			
Fish oil..... gals.			144,950		46,690
Whale oil..... "			305,006		251,901
Whale bone..... cwts			104		478
" meal..... "			9,750		10,725
Fertilizer..... tons.			1,649		59,254
Totals.....		9,647,348			13,891,398
NOTE.—Other fish, not included in the above, caught by Indians and Whites for their own use.. cwts	160,960	1,036,225			

The number of fur seal skins taken during 1912 was 192, not 205 as shown in last year's report.

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RECAPITULATION

Of the Number of Fishermen, &c., and of the Number and Value of Fishing Vessels,
Boats, Nets, &c., in the **Whole** Province of **British Columbia**, for the year
1913-14.

	Number	Value.
		\$
Steam Fishing Vessels (tonnage 3,761)	58	1,071,575
Sailing and Gasoline Vessels	156	573,180
Boats (sail)	3,076	217,605
" (gasoline)	2,434	1,018,150
Carrying Smacks	190	75,650
Gill Nets, Seines, Trap and Smelt Nets, etc.	6,865	1,031,124
Trawls	22	1,100
Hand Lines	4,288	4,870
Skates of Gear	1,888	37,760
Salteries	12	1,200
Salmon Canneries	81	4,115,410
Clam "	1	3,000
Freezers and Ice-houses	15	1,502,000
Smoke and Fish-houses	29	388,300
Fishing Piers and Wharves	93	1,908,689
Whaling Stations	4	500,000
Oil Factory	1	40,000
Totals		12,489,613

Number of men employed on Vessels	1,193
" " Boats	10,055
" " Carrying Smacks	68
persons employed in Fish-houses, Freezers, Canneries, &c	9,391
Totals	20,707

APPENDIX No. 10.

Imports and Exports of Fish

IMPORTS.

STATEMENT showing the Quantities of the Chief Commercial Fish and Fish Products Imported into Canada, for Home Consumption, during the fiscal year 1913-14.

(From Report of Customs Department.)

Cod, Haddock, Hake and Pollock (fresh).....	cwts.	2,508
" " (dried).....	"	86,470
" " (smoked)..	"	291
" " (green salted).....	"	620
" " (pickled).....	"	2
Halibut (fresh).....	"	54,524
Herring, (fresh).....	"	5,944
" (pickled).....	"	75,532
" (smoked).....	"	62
Mackerel, (fresh).....	"	9
" (pickled).....	"	198
Salmon, (fresh).....	"	25,974
" (smoked).....	"	80
" (canned)..	"	21
" (pickled)	"	62,294
Bait fish.....	"	989
Lobsters, (fresh)	"	455
" (canned).....	"	593
Oysters, (fresh, in shell).....	brls.	60
" (shelled, in bulk).....	gals.	249,518
" (canned, one pint and under).....	cans.	451,787
" " (one quart and under).....	"	7,146
" " (over one quart).....	quarts	2,212
" (preserved)	cwts.	487
Fish oil, cod.....	gals.	22,326
Seal oil.....	"	20
Whale oil	"	19,081
Other oil.....	"	24,763

The value of the imports of Fish and Fish products for the year 1913-14 amounted to \$2,542,310.

EXPORTS.

STATEMENT showing the Quantities of the Chief Commercial Fish and Fish Products (the Produce of Canada) Exported during the fiscal year 1913-14.
—From Report of Customs Department.

TO	Cod, including Haddock, Hake and Pollock.			Herring.			Mackerel.		Lobsters.	
	Fresh.	Dry.	Green salted.	Pickled.	Fresh.	Pickled.	Smoked	Canned.	Fresh.	Canned.
	cwts.	cwts.	cwts.	cwts.	cwts.	brls.	cwts.	cwts.	cwts.	lbs.
United Kingdom.		25,073				1,499		295		2,907,990
United States.	20,521	198,833	10,711	6,117	108,916	62,340	23,507	325	40,239	2,273,849
B. W. Indies.		135,377		8	33	30,214	9,350			888
Bermuda.		3,690			2	51	230	2	1	48
B. Guiana.		16,217				1,827	1,054			1,088
B. Honduras.		163								
Malta.										
Newfoundland.		9,254	2,018	10	3,750	69	223		31	
Austria-Hungary.		1,724								
Brazil.		96,527								
Costa Rica.		1,560				17	42		116	
Cuba.		75,887				25	445		364	
Danish West Indies.		560				253	72		17	24
Dutch Guiana.		5,713				3	353		22	
Siam.										
French West Indies.							24			
Guatemala.		160								
Hawaii.		2,592								
Hayti.		3,503							5	
Italy.		61,192			5	3	14		1	
Miquelon and St. Pierre.		1								
Nicaragua.		10								
Panama.		18,993				90	391		1,217	
Porto Rico.		76,093				3,061	5		68	
Portugal.		7,055								
San Domingo.		3,815					115			
Spain.		468								
United States of Columbia.		1,601				10	7		116	

EXPORTS—Concluded.

STATEMENT showing the Quantities of the Chief Commercial Fish and Fish Products (the Produce of Canada) Exported during the fiscal year 1913-14.

—From Report of Customs Department.

TO	Salmon.					Oysters.	Bait, including clams.	Oil.			Halibut.
	Fresh.		Canned.	Smoked.	Pickled.			Cod.	Seal.	Whale.	
	cwts.		cwts.	cwts.	brls.	brls.	gals.	gals.	gals.	Fresh.	
United Kingdom	10,959	488,626	385	66	36	18	28,734	427,571	3,264		
United States	31,556	11,812	60	4,149	297	85,849	335,177	234,880	42,783		
B. W. Indies	1	212	7	873			1,438				
Bermuda	3	112		22		1					
B. Guiana	10	4		268							
B. Honduras											
Malta											
Newfoundland	2	22		13	4		8,086		54		
Austria-Hungary											
Brazil											
Costa Rica				27							
Cuba							82				
Danish West Indies				18							
Dutch Guiana				117							
Siam		576									
French West Indies											
Guatemala											
Hawaii											
Hayti											
Italy											
Miquelon and St. Pierre		7			4				1		
Nicaragua											
Panama				259							
Porto Rico											
Portugal											
San Domingo											
Spain											
United States of Columbia				26							
Venezuela											
Australia	181	26,704									
Hong Kong	13	2,021		350							

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China	803	5,681							
Fiji	7,649								
British Straits Settlements	21,916								
Norway	132								
Alaska		4							
Japan	44	28,381							1
Sweden	30	180							
Chili	816								
France	180								
New Zealand	5								
British Oceania, other	13,514								
Belgium	231								
Danmark	3,113								
Germany	948	1,274							
Holland	709	6,410							
Mexico									
Russia in Europe									
British South Africa	1,164								
British India	5,331								
Dutch East Indies	3,779								
Canada									
French Oceania	229								
Sweden									
Philippines	241								
Dutch West Indies									
Totals	44,398	610,974	452	48,058	342	85,868	373,517	662,451	46,103

The value of fish and fish products (the produce of Canada) exported during the year 1913-14, amounted to \$20,698,849.

APPENDIX No. 11.

FISHERIES PATROL SERVICE

The following reports on the work of the vessels comprising the Fisheries Patrol fleet during the year 1913-1914 are submitted by the Inspectors whose districts the boats respectively serve:—

REPORT ON THE WORK OF PATROL BOAT *DAVIES*, IN DISTRICT No. 1,
NOVA SCOTIA.

SYDNEY, N.S., 1914.

To the Superintendent of Fisheries,
Ottawa.

SIR,—The patrol boat *Davies*, Captain D. L. Stewart, commenced patrol work on the 25th of July. Unusually blustery weather precluded anything approaching constant or active service for such a small boat assigned to this work. Following the close of the lobster fishing season attention was given to illegal fishing and in all about one hundred traps were destroyed along the coastal shores and at the western entrance of the Bras D'Or lakes.

I am, Sir,
Your obedient servant,

A. G. McLEOD,
Inspector of Fisheries.

REPORT ON THE WORK OF PATROL BOATS *C* AND *E*.

DISTRICT No. 2, N.S.

Pictou, N.S., 1914

To the Superintendent of Fisheries,
Ottawa.

‘O.’

SIR,—During the season from June 1 to December 15 this boat was employed patrolling the coast from Lunenburg County line eastward to Canso, also in the Chedabucto bay.

July 8, Overseer George Rowlings on board, patrolled to Ship harbour. July 10 Overseer R. Gaston came on board and patrolled eastward to Guysboro county line. Found a crate with lobsters at Sober island, which were liberated, but were unable to find the owner.

July 11 Overseer R. V. Cooper came on board and patrolled to Goldboro, but found no violations of the lobster regulations. Overseer John A. Dillon joined the boat and patrolled to Canso and Half Island cove; found no illegal fishing.

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July 18 found some lobster traps but they were 'leftovers' with no bait in them.

July 28 found some lobster traps in Shad bay which had not been baited recently.

August 7 heard of some illegal fishing at McNab's island; made careful search, but found nothing. From previous date to August 14 patrolled to Canso, found in Dover bay five lobster traps, old gear. Continued patrol to Hubbards cove and returned to Halifax. The officer in charge, Mr. Edward De Young, had to go to hospital under medical advice, and the boat was in charge of Mr. Wm J. Nauss, and patrolled to Whitehead. Leaving that place about 3 a.m., October 1, they, with Overseer Dillon on board, proceeded to Dover, and after waiting some time observed two fishermen going out and fishing lobster traps. The boat was seized and the fishermen summoned before the stipendiary magistrate at Canso and fined one dollar each and costs, and the boat confiscated.

October 7, found some lobster traps set in Dover bay which were confiscated.

November 15, found a few traps at McNab's Island which were confiscated.

December 2, destroyed a crate containing lobsters at Terrance Bay and liberated lobsters.

· E. ·

From May 12 to July 12 this boat was engaged collecting spawn for the lobster hatchery at Georgetown, and from the latter date was employed patrolling the coast waters of Cumberland and Colchester, on the Strait of Northumberland; also for two weeks on the coast waters of Westmorland County, New Brunswick.

July 19, found a fishing boat, owned by C. W. Murray, with about 300 pounds of lobsters. Towed the boat to Pugwash, where the owner was tried and convicted, and fined \$25.

July 29, found a boat owned by W. E. Spence, having about three hundred pounds of lobsters on board. Towed the boat to Pugwash, where the owner was tried and convicted, and fined \$25.

August 22, off the east end of Saddle Island sighted a boat fishing lobster traps and headed for the boat, and when about a mile from her they started for the shore, when the *E* gave chase and endeavoured to head her off. Got quite close and saw a man in her throw overboard a parcel which was supposed to be lobsters. Signalled them to stop but they went on and landed, and ran for the woods. As the water was shoal *E* had to come to anchor, went ashore in the boat, found bait and bait boxes in this boat and took it in tow to Wallace and left it in charge of the Customs Officer.

Having reason to suspect that lobsters were concealed in certain premises, I obtained search warrants and searched a number of places. In one of these a case of canned lobsters was found without a label; this was seized and delivered to the Customs Officer at Pugwash, and the owner summoned, but upon trial the Justice did not convict.

During the season much time was occupied in dragging the coast waters wherever it was believed it was probable that gear was set, and 1,302 lobster traps were found and confiscated, also twenty one anchors and about seven thousand fathoms of rope.

The officer in charge of this boat is Mr. A. E. Seaman of Pugwash.

I am, sir,

Your obedient servant,

ROBERT HOCKIN,
Inspector of Fisheries.

5 GEORGE V., A. 1915

REPORT ON WORK OF PATROL BOATS 'A' AND 'B.' DISTRICT No. 3—
NOVA SCOTIA.To the Superintendent of Fisheries,
Ottawa.

SHELBURNE, N. S., 1914.

'A.'

SIR,—Patrol boat *A*, Captain Hadley Blackford, was placed in commission April 1, 1913, from which date until close of lobster fishing season in Digby and Annapolis Counties, June 30, she was engaged in collecting seed lobsters for the Long Beach lobster pound.

At the conclusion of this work the boat was engaged in patrolling the waters of Digby and Annapolis until September 11, when she proceeded to Yarmouth County, where she was engaged in patrol work until October 1, after which she returned to Digby, and continued in service until the opening of the lobster season January 6, 1914.

The district in which *A* is employed is not a difficult one, insofar as the enforcement of the fishery regulation is concerned. The lobster fishermen generally are obedient to the close season law. About one hundred and fifty traps were destroyed by the *A* during the season.

'B.'

Patrol boat *B*, Captain John Batemen, was employed in the general patrol of the waters of the south shore of this district during the closed lobster season, beginning May 15, 1913.

Special attention was given to Yarmouth County, where the extensive lobster grounds demand thorough and regular patrol. The work of the boat during the coming year will probably be wholly confined to this County.

Five hundred and fifty traps were destroyed during the season. Three hundred and seventy-five of these were taken in Yarmouth County, and the remainder in Queens and Lunenburg Counties.

Grappling irons are used with much success, as many of the traps are set in trawls, and can only be discovered by grappling.

The boat has given excellent satisfaction, and the officers are fast getting control of illegal fishing.

I am, sir,

Your obedient servant,

WARD FISHER,

Inspector of Fisheries.

REPORT ON WORK OF PATROL BOATS 'SEA GULL' AND 'PHALAROPE.'

To the Superintendent of Fisheries,
Ottawa.

CAMPOBELLO, N.B., 1914.

'SEA GULL.'

SIR,—I have the honour to make the following report on the work of patrol boat *Sea Gull* and *Phalarope*. As you are aware the *Sea Gull* was loaned to us by the Biological Board during July last, taking the place of patrol boat *No. 2*, which was unfit for further service. During the summer and fall she was in charge of Captain

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Mitchell, now of the *Phalarope*, operating from Campobello. When the *Phalarope* went into commission the *Sea Gull* was transferred to Grand Manan, and placed in charge of Captain Green, with the waters around Grand Manan Island for her territory. She has done fairly good work there, but as there is a large area to be covered, and as the waters are exposed and generally rough, a much larger and faster boat is needed for that place.

‘PHALAROPE.’

This boat was late in getting in commission, as it was December before she was received from the builder, and as it was sometime later before the engine was running satisfactorily. The *Phalarope* gave a good account of herself after that, both in having the lobster size limit carried out during the winter and preventing dynamite violations during the spring as well.

I would like to add that the *Phalarope* is an excellent patrol boat, reasonably fast, staunch and seaworthy, and in every way satisfactory.

I am, sir,
Your obedient servant,

J. F. CALDER,
Inspector of Fisheries.

REPORT ON WORK OF PATROL BOAT ‘HUDSON.’

To the Superintendent of Fisheries,
Ottawa.

NEWCASTLE, N.B., 1914.

SIR,—The following is the report given me by Mr. Chapman on the work of the above named boat.

‘Previous to the 8th of July this steamer was engaged in gathering spawn for the Shemogue Hatchery. On that date Captain Goodwin reported to me from Shediac as being ready for patrol work, and I instructed him to proceed to Shippigan. He sailed from Shediac on the 10th and arrived at Shippigan on the 14th. I met him there on the 15th and on the 17th made the circuit of Shippigan and Miscou Islands in the steamer accompanied by the local officers. She remained patrolling in Gloucester County with head-quarters at Shippigan, most of the time around Shippigan and Miscou Islands; also with Overseer Arseneau on board until the 14th of September, when on visiting the Islands I ordered him to Port Elgin, Westmorland County. She arrived at Port Elgin on the 17th, but virtually did no work there on account of trouble with boilers and machinery. Under instructions from the Department I paid off crew on the 10th of October and the steamer was beached and laid up at Baie Verte in charge of Overseer Prescott.

I am, sir,
Your obedient servant,

D. MORRISON,
Inspector of Fisheries.

5 GEORGE V., A. 1915

REPORT ON WORK OF PATROL BOATS 'RICHMOND,' 'D,' AND 'J. L. NELSON.'

CHARLOTTETOWN, P.E.I.

To the Superintendent of Fisheries,
Ottawa, Ont.

SIR,—Patrol boat *Richmond*, Guardian Cameron, went into commission on the 22nd of April. Commenced by taking up some lobster lines run contrary to regulations, then patrolled Richmond Bay, preventing the taking of spawn lobsters, and after the season was over, looked after illegal fishing and destroyed a number of traps and lines, also prevented the taking of small oysters for stocking private beds, looked after quahaug fishermen and collected licenses.

After the first of October, this boat was almost continually on Grand river, seeing that all undersized oysters were returned to the beds. Guardian Cameron did good work although it was a difficult task to look after over one hundred boats on the river.

Patrol *D* left Halifax on the 3rd of May for Tracadie, N.S., arrived on the 13th of June, and commenced distributing lobster fry on the 21st instant, and continued to do so up to the 9th of July, then left for Charlottetown where some repairs were made. On the 15th left for Tignish, arriving there on the 17th instant and commenced patrolling the lobster ground between North Cape and Malpeque up to the 25th of October. During that time a large number of traps, rope, and anchors were taken and destroyed. For some time after was in Richmond assisting in preventing the illegal fishing of oysters. After returning to Tignish continued patrolling until this boat went out of commission, on the 29th of November. I am pleased to say Captain McCarthy did good service.

Patrol *J. L. Nelson*, Captain Wrayton, patrolled from North Cape to West Point and occasionally to Egmont Bay, making head-quarters at Miminegash. This boat has too much draft of water for the harbour, and consequently loses a good deal of time, but succeeded in destroying a large number of traps, besides a quantity of rope.

I am, sir,
Your obedient servant,

J. A. MATHESON,
Inspector of Fisheries.

REPORT ON WORK OF PATROL BOAT 'C. E. TANNER.'

MAGDALEN ISLANDS, P.Q., 1914.

To the Superintendent of Fisheries,
Ottawa.

SIR,—I have the honour to, herewith, submit a brief statement of movements and work of patrol boat *C. E. Tanner* during season of 1913.

Having received instructions on the 2nd of May to proceed to Pictou we accordingly took passage on the ss. *Lady Sybil* on the 6th of May, arriving in Pictou on the morning of the 8th following, and immediately reported to Commander W. Wakeham, aboard ss. cruiser *Princess*, who directed us to take charge of patrol boat *C. E. Tanner*, and make ready immediately to leave for the Magdalen Islands.

We were taken in tow of ss. *Princess*, and left for the Magdalens at 6.30 p.m., arriving on the morning of the 9th at nine o'clock at Grindstone, where we took leave of ss. *Princess*, and proceeded to House Harbour.

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From the 10th of May to the 20th, we were occupied in patrolling the different herring trap stations, visiting foreign fishing schooners, and examining their licenses, which caused some to take out bait-licenses. On the 20th, the hatchery being ready, we began the work of carrying spawn from Grand Entry and Amherst; going alternatively, one day to Grand Entry, next day to Amherst, which work we did up to July the 11th, being afterwards engaged in distributing the matured spawn in the different lagoons, ending our work on the 30th of July.

On the 31st of July we resumed our patrolling service of the different lagoons at Grand Entry, House Harbour and Havre Aux Basques, operating up to November, during which time we seized about 1,490 fathoms of rope, two cases of cans, and destroyed 442 traps, all of which were reported to the Department of Marine and Fisheries.

The fishing being now over and further patrolling unnecessary, we are moving our boat into its winter quarters, having ended a fairly successful season.

I am, sir,

Your obedient servant,

CAPTAIN WM. S. ARSENEAU,

In Charge of *C. E. Tanner*.

REPORT ON WORK OF PATROL BOAT 'LADY OF THE LAKE.'

SELKIRK, Man., 1914.

To the Superintendent of Fisheries,
Ottawa.

SIR,—I have the honour to report with respect to the Fisheries patrol boat, *Lady of the Lake*, for the fiscal year, ended March 31, 1914. The *Lady of the Lake* is employed on the waters of Lake Winnipeg and tributaries, comprising all rivers flowing into and out of Lake Winnipeg. The boat is built of wood, a screw steamer, 105 feet in length, 18 feet 5 inches in width, 8 feet 9 inches in depth of hold. It was fitted up with electric light and searchlight, but the dynamo is out of commission. This boat makes about an average of eight miles an hour, and carries a crew of ten men. The necessary repairs, painting, etc., were commenced on the first of April, and she made her first trip to the lake May 12, for Berens river hatchery. Encountered ice, and arrived back to Selkirk May 19. Left Selkirk again May 22 with lighthouse supplies for the lighthouse on lake Winnipeg, we ran into ice after leaving Berens river and arrived back to Selkirk May 19. Left Selkirk again May 22 with lighthouse supplies for the the protection of the fisheries, on Lake Winnipeg, up to August the 1st. After that, she was engaged under Mr. Brunel, delivering wood and supplies from Selkirk to Berens river in connection with hatchery service. She was engaged during the balance of season gathering whitefish eggs for Gull harbour and Selkirk hatcheries. This boat went into her winter quarters on the 12th of November, and was laid up in the harbour at Selkirk. I am pleased to report that the steamer accomplished the work laid out for her in a very satisfactory manner, with one exception; she had the misfortune to break her stern bearing, and had to be dry docked. She was under orders from the writer, who was on board all the season, with the exception of the time she was engaged in the building of the Dauphin river hatchery.

I am, sir,

Your obedient servant,

J. A. HOWELL,

Inspector of Fisheries.

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NEW WESTMINSTER, B.C., 1914.

To the Superintendent of Fisheries,
Ottawa.

SIR,—I beg to submit the following reports on the work of the various patrol boats that were under my supervision during the year 1913-1914.

I am, sir,
Your obedient servant,

F. H. CUNNINGHAM,
Chief Inspector of Fisheries.

NEW WESTMINSTER, B.C., 1914.

To the Chief Inspector of Fisheries,
New Westminster, B.C.

SIR,—I have the honour of handing you my report covering the work done by the patrol launch *Fispa* from the date of her commission up to and including March 31, 1914.

On June 14, 1913, the *Fispa* made her initial trip on the Fraser river, under the supervision of her designer and builders, accompanied by the Chief Inspector of Fisheries and Captain Crichton. The trial was considered satisfactory and arrangements were made to take the *Fispa* officially over subject to a few necessary adjustments in detail. These adjustments having been made and everything considered satisfactory and in accordance with her specifications, the *Fispa* was definitely taken over on July 2, 1913.

During the early part of July, 1913, the *Fispa* patrolled the waters in the gulf of Georgia along the boundary line in the gulf and from the Fraser river mouth to Vancouver and Howe Sound. During this patrol, I had a favourable opportunity of having the necessary adjustments made on deck and in the engine room to ensure the safe navigation of the boat.

On the 14th of July, 1913, we had the honour of conveying the Honourable T. W. Crothers, Minister of Labour, with his official staff, and the Chief Inspector of Fisheries, from Vancouver to Union bay, and thence to Nanaimo, on official duty.

On the 26th of July, 1913, the *Fispa* sailed on her first long cruise to the north coast of British Columbia, with the Chief Inspector of Fisheries and Deputy Commissioner of Fisheries for the Provincial Government on board.

We visited the fishing areas and canneries along the coast, Alert bay, Bella Coola, Warke Island, Belle Bella East, Digby island fish curing establishment, Tuck's Inlet, Prince Rupert cold storage. We remained at Prince Rupert while the Chief Inspector and Deputy Commissioner attended upon the Minister of Marine and Fisheries, the Honourable J. D. Hazen, and on August 4, we again proceeded south on an inspection of the various centres and canneries at Rivers Inlet and Namu. We arrived at Vancouver on August 9, having covered a distance of 1,050 geographical miles without any discomfort or mishap, which was a severe and satisfactory test on this, the *Fispa's* maiden voyage.

We then went on patrol in the Gulf of Georgia and down to the boundary line, and remained at that work until August 21, 1913. Upon this date, she had the honour of conveying the Honourable Mr. Hazen, Minister of Marine and Fisheries, with his official party, and the Chief Inspector of Fisheries and Deputy Commissioner for the Provincial Government, on a cruise of inspection down the Fraser river, through the Gulf of Georgia to the boundary line, and across to Boundary bay, when the Minister

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had an opportunity of observing graphically the sockeye fishing by gill nets on the Fraser river, and also seeing and crossing the boundary line in the height of the sockeye season. We also ran around Boundary bay when the Minister had an opportunity of having demonstrated to him the American and B. C. stake nets in full operation.

The Honourable, the Minister, left us temporarily at a point in Boundary bay on the B. C. line, and we then ran around to Vancouver, when we had the honour of again receiving the Minister and his party and conveying them across the Gulf of Georgia to Nanaimo and again back to Vancouver on the following day.

On September 4, 1913, the *Fispa* sailed on her second northern cruise. We ran up the Straits of Juan de Fuca for the west coast of Vancouver island, and were joined at Alberni by the Chief Inspector of Fisheries, the Deputy Commissioner for the Provincial Government, and Mr. Taylor, Inspector of Fisheries for District No. 3.

We visited all the centres of fishing along the coast of west Vancouver island, which included Barclay, Clayoquot, Nootka and Quatsino Sounds, practically covering all the inland waters on the west coast of Vancouver island.

We proceeded around Cape Scott and touched at the various centres on the north-east side of Vancouver island, working down the east coast, and the mainland, and around the Gulf of Georgia south to Vancouver, making thus a complete inspection of the whole coast line and inland waters of Vancouver island and adjacent mainland waters. We arrived at Vancouver on September 18. This cruise covered a distance of 1,000 geographical miles.

Between September 18 and October 14, 1913, the *Fispa* after undergoing some slight overhaul, was again on patrol in the Gulf of Georgia from Texada island to the boundary line between Fraser river and Roberts Head.

On October 14, I was instructed by the Chief Inspector of Fisheries to take the *Fispa* north and to visit and explore the various inlets on the mainland and north Vancouver island; also the rivers entering these inlets and adjoining lakes, and to report upon in detail the physical condition of the salmon spawning beds within these waters, and to definitely mark down and locate the grounds frequented by the various species of salmon.

I have already placed before you, full reports in detail dealing with the work you entrusted me with, which, as you are aware, covered a very wide field, and took some considerable time.

In abstract: I visited Quatsu river and lake, north Vancouver island, and having explored the river and reached the lake I found it as you see from my report, practically closed with the serious results which you have before you.

I next ran to the mainland and up to Drury Inlet, Actæon Sound and McKenzie Sound. Here I ascertained that the sockeye spawning grounds that contracted the supply of fish for this huge area of water, was confined practically to two lakes, Hauskin and Keagh. I reached both of these lakes and explored the ground and rivers entering and coming out, and gave you my report in detail pointing out the appalling decline of this species of salmon in this area and its undoubted cause, and suggesting to you the remedy for its recovery, in order that something may be done to revive this magnificent area. Cohoe salmon frequent these waters in great numbers, but the blocking up of the lakes has not the same effect upon these fish as they run up the lesser rivers and creeks, which sockeye instinctively avoid.

Having made a complete examination of all the rivers and waters within this area, I proceeded up Knights Inlet, and my first visit was up the Glendall Cove, when I landed and went up the river here, reaching by trail both the lakes, Tom Brown lake, and another lake some 7 to 9 miles further back on the west arm of this river. This is practically the only sockeye spawning ground within Knights Inlet area, and I have placed in detail before you the result of my work here. The spawning grounds were well stocked, and free, with the exception of a very bad obstruction below the upper lake. I then proceeded to the head of Knights Inlet and went up the main river

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for a great distance. This river, as I have already reported upon, is frequented by spring salmon which run away up nearly to the Glacier before stopping to spawn. All the lower reaches and creeks were splendidly stocked with coho in spawn. I may mention in passing that there is a species of wild duck, the 'Saw Bill,' which does a fearful amount of destruction to the ova on the spawning beds all along the northern waters. I have personally watched them devour the roe on the beds, practically while the salmon are spawning. In my opinion, these birds do more damage than any other salmon enemy, and I would suggest that your officials within these districts destroy as many as possible. These birds are extraordinarily prolific, hatching out and rearing as many as 20 young birds to each brood. I had as many destroyed as possible—from three to four hundred.

Having fully explored the whole of these waters, I ran towards the Kingcomb Inlet waters, running up to Thompson's and Wakeham Sounds, and exploring all the creeks around the shores, and reported upon them in detail; arriving at the main river at the head of Kingcomb Inlet, I had a good opportunity of getting up this river by boat and trail, and gave you my report upon 40 miles of this river. This river, similar as it is to all the glacier rivers are essentially spring and coho spawning grounds, and were splendidly stocked and free from all obstructions, but being terribly ravaged by thousands of the Saw Bill duck. I am fully convinced that these birds destroy fully 30 per cent of the ova deposited upon the beds in the lesser creeks. Of course, we are aware that the Mallard and other wild duck do a certain amount of damage, but they are not so persistent and bold as the Saw Bill. Having completed the work on the grounds you entrusted me with, and fully reported, I returned to Westminster. Here the *Fispa* went under her first general overhaul, and was taken up on the Marine Ways, cleaned down, painted, and her propellers adjusted.

On January 13, 1914, we again left Westminster for the north. We conveyed your engineer, Mr. McHugh, as far north as Bella Bella east, and your fishery officer, Mr. Norrie, joined us there. We then proceeded up Ellerslie Channel and ran up to the head, a distance of 30 miles, so as to allow your engineer to reach the rivers and lake, and enable him to survey the obstructions and make the necessary arrangements for a fish pass. While here, I had an opportunity of getting up the lake on the ice, and exploring the feeding creeks and lake shore line, which I duly reported to you.

Mr. McHugh having completed his survey, left us for the south. At Bella Bella east, my instructions from you, sir, were to patrol the inner waters of Queen Charlotte Sound, and at the same time to ascertain as far as possible, what species of fish, and in what numbers, existed along the waters there. I continued at this work (but was handicapped by the exceptionally severe weather) until the 10th of March, 1913, and on that day, I returned to Vancouver and handed you my report, together with my remarks upon the commercial value of these now practically unfished waters. Quite apart from the staple fish, halibut, these waters hold enormous quantities of the smaller, but yet more valuable fish, cod, bass, sole, brit, flounders of eight varieties, and anchovies. With regard to the latter, I would like to ascertain more accurately in what quantities they exist, and of what type. The numerous lagoons appear swarming with them, but later on in the season, I hope to give you a more accurate report upon these lesser, but extremely valuable fish.

The *Fispa* returned north on March 17, 1914, and in accordance with your instructions, I have patrolled the waters of Queen Charlotte Sound, and made further research upon the fishing grounds.

I now have the honour of closing my report for the fiscal year ending March 31, 1914, and append the distance covered. Total geographical miles run from date of commission, July 2, 1913, up to and including March 31, 1914—5,912.

Yours respectively,

J. F. CRICHTON,
Captain

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NEW WESTMINSTER, B.C.

To the Chief Inspector of Fisheries,
New Westminster, B.C.

SIR,—I beg herewith to submit a brief report of the services performed by the patrol launches of district No. 1, for the fiscal year ending March 31, 1914.

LAUNCH 'SWAN.'

This boat, under the charge of Patrolman Thomas Hembrough, has been employed in regular patrol work, covering the following waters: Fraser river and tributaries, including Coquitlam, Pitt, Lillooet, Stave, Sumas and Harrison rivers, and Harrison and Sumas lakes, Boundary bay, and the Gulf of Georgia. This craft travelled, in all, 9,430 miles in the course of her work. The new 27-32 h. p. Eastern Standard engines, installed about a year ago, have done good service and given excellent satisfaction in every way. These engines have increased the value and efficiency of this launch very materially.

This boat has proven to be suitable in every way for the river-work.

LAUNCH 'ELK.'

This boat, under the charge of Patrolman William Dauphinee, has been engaged chiefly on the north arm of the Fraser and Sandheads opposite, enforcing regulations and performing regular patrol work. The efficiency of this boat was greatly increased at the beginning of the year by the installation of the 24 h. p. Lamb engines, which were transferred from the *Swan*. She is of quite shallow draft, and is well adapted in that respect for the service required of her. She travelled, during the year, 6,950 miles.

LAUNCH 'FOAM.'

This is, as you are aware, a new boat, built and put into commission in April, 1913. She is 45 feet long, by 10 feet beam, and is equipped with 27-32 h. p. Eastern Standard engines. She has done good service under the charge of Patrolman Samuel Waddell. The waters covered by this launch were Fraser river, principally between New Westminster and Steveston, Canoe Pass, Gulf of Georgia, Sandheads and Boundary bay. She also assisted in distributing fry, making a number of trips for this purpose to Nanaimo, Cowichan harbour, Howe Sound, and Lake Buntzen. She logged, in all, 5,434 knots.

LAUNCH 'SEMAHMO.'

This launch was built in 1901, and was purchased by this Department in 1909. During this time, up till last year, she did good service, but as the hull is old, and has become considerably weakened in parts, her usefulness as a patrol boat is at an end. During the year she has patrolled the waters of Howe Sound, Squamish, English bay, and Burrard Inlet. Patrolman Wm. McC. Moore, who has been in charge, has been compelled to confine his patrol to calm weather. It will be necessary for this boat to be replaced by a larger and more suitably equipped craft, in order to properly protect the interests of the fisheries in this portion of the district. This boat has travelled, during the year, 5,105 miles.

Respectfully submitted,

A. P. HALLADAY,
Assistant Inspector of Fisheries.

REPORT ON WORK OF PATROL BOATS OF DISTRICT No. 2.

VANCOUVER, B.C., 1914.

To the Chief Inspector of Fisheries,
New Westminster, B.C.

SIR,—I have the honour to submit my annual report in connection with the services performed by the Fishery patrol boats under my control during the fiscal year ended March 31, 1914.

LAUNCH ‘MERLIN.’

During the season the gasoline launch *Merlin* was engaged in patrolling the waters of Rivers inlet, and vicinity, and making trips of inspection to Smith Inlet. She travelled as near as can be computed, 3,694 miles, of this 1,515 miles were run during the weekly close season. One seizure was made during the close season, the boat having a long net over two hundred fathoms.

Overseer Saugstad reports that the Fishery Regulations were closely observed.

LAUNCH ‘KINGFISHER.’

This launch patrolled the waters Burke Channel and Dean Channel which include the Bella Coola and Kimsquit fisheries. She travelled about 2,000 miles during the season, and was in commission from May 1 to September 30. She had a new cabin top built this season, in place of the canvass as heretofore, which was most unsatisfactory in rough weather. The wooden cabin enables her to stand off the rough water better than the canvass top, and Overseer Widsten was much pleased with this improvement rendering her work much more effective.

C. G. S. ‘FALCON.’

This steamer was under my control from May 10 until November 1, 1913, and during that time logged 5,730 statute miles, making one hundred and ninety-seven calls, at the different fisheries in the district. She patrols a coast line of some 1,100 miles. Her special work is the protection of the salmon and herring fisheries, and to convey the Inspector to the outlying fisheries that require supervision.

During July we had the Honourable the Minister of Marine and Fisheries aboard as well as Mr. H. S. Clements, M.P., and Chief Inspector Cunningham. We took the Minister around Prince Rupert Harbour, and also as far up the Skeena as Port Essington. During the season we had many other officials aboard, on visits of inspection. Below I give the approximate distances travelled each month.

	Miles.	Calls made.
May..	280	20
June..	1,436	48
July..	1,599	64
August..	935	49
September..	460	23
October..	576	11
Total..	5,286	197

LAUNCH ‘LINNET.’

The launch *Linnet* was under the control of Overseer Adamson, and patrols the Naas river and Portland Inlet, she travelled some 3,354 miles approximately, and was in commission from April 1 to September 30. She visited the fish traps and seining

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grounds in the Naas river and Portland Inlet as often as possible, and found everything satisfactory. A few fishing boats were seized for fishing during the weekly close season, and a few more for using gill-nets exceeding 200 fathoms in length. A larger and faster launch would be more effective in enforcing the regulations.

LAUNCH 'HAWK.'

The launch patrols the Upper Skeena and Oxstahl rivers, and during the season travelled some 3,000 miles. She was commissioned from April 1 to October 31. She is under the supervision of Overseer Norrie. Very few seizures were made during the season owing to the effective patrol. The *Hawk* was assisted during the sockeye season by the launch *Pilgrim* which boat was chartered by the Department.

LAUNCH 'KAYEX.'

This launch owing to the defective engine, was unable to perform her duties as patrol boat for the Skeena, satisfactorily, consequently the *Pilgrim* was chartered to help her out. The Department has decided to instal a new thirty horse power engine in the launch, in place of the old one, and she will take up her patrol duties on the Skeena in conjunction with the *Hawk*, on or about 15th April next.

LAUNCH 'GANNET.'

The above boat has been in commission since the 3rd of October, 1913, her log showing a distance travelled of approximately 4,000 miles. During the summer months, she is engaged in patrolling the salmon fisheries in the vicinity of Queen Charlotte Islands, and in the winter months she gives very effective service in guarding the halibut fisheries along the three-mile limit against poachers.

LAUNCH 'EVELYN B.'

This launch was chartered by the Department for a short time during the season on the upper waters of the Naas river, for the protection of the salmon fisheries. The Indians were catching salmon illegally and running them down to the canneries in their gasoline launches, this was entirely stopped by the action of the Department, in placing the launch in commission for a short time.

'ANNIE D.'

This launch was chartered by the Department for the Central division, and was engaged in patrolling the waters between Fitzhugh Sound and Granville Channel, an area of some 1,500 miles. She travelled some 3,000 miles during the five months she was in commission, making four seizures during the season. She was under the control of Overseer Boyd, who states that the fishery regulations were well observed.

I am, Sir,

Your obedient servant,

JOHN T. C. WILLIAMS.

REPORT ON THE WORK OF PATROL BOATS IN DISTRICT No. 3, BRITISH COLUMBIA.

NANAIMO, B.C., 1914.

To the Chief Inspector of Fisheries, .

New Westminster, B.C.

PATROL BOAT 'ALCEDO.'

SIR,—During the season the *Alcedo* patrolled the waters between Vancouver Island and the mainland, from the south end of Vancouver Island to Queen Charlotte Sound.

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Eight thousand three hundred and eighty-six miles were logged. Twenty seven prosecutions for illegal fishing were made. Under instructions from the Department I placed the *Alcedo* at the disposal of Mr. Fletcher, Inspector of Post Offices. Mr. Haynes, Assistant Inspector, made the inspection of the Post Offices in the northern part of the district during the latter part of October and completed his work the last week in November.

LAUNCH 'COHOE.'

The launch *Cohoe* went into commission on October 24 and since that date has logged 2,176 miles. Her district extends from Howe Sound to Bute Inlet on the mainland coast. She has done good service and is giving satisfaction.

LAUNCH 'RAVEN.'

The launch *Raven* was only in commission for a few weeks during the close of the fishing season, and has been laid up during the winter. Her headquarters are at Alert bay on Cormorant island. Her district comprises the waters lying between Vancouver island and the mainland including Knight, Seymour, and Kingcomb Inlets. This boat is well equipped for her work, and in the coming season will do effective service.

LAUNCH 'GULL.'

The launch *Gull* went into commission on May 30, 1913, and patrolled the waters on the east coast of Vancouver island between Big Qualicum river and Maple bay. The number of miles covered during this time was 7,413. The fishery regulations were well enforced. Only two cases of illegal fishing was reported. This boat is also well equipped for service.

The patrol boats *Egret* and *Heron* now completed and ready for service on the west coast of Vancouver island will prove a valuable addition to the patrol service of the district.

I am, sir,

Your obedient servant,

EDWARD G. TAYLOR,
Inspector of Fisheries.

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APPENDIX No. 12.

REPORT ON OYSTER CULTURE BY THE DEPARTMENT'S EXPERT FOR THE
SEASON OF 1913.

CHARLOTTETOWN, P. E. ISLAND,

To the Superintendent of Fisheries,
Ottawa.

SIR,—I have the honour to submit to you my annual report on last season's work in connection with oyster culture in the lower provinces.

On the opening of navigation the *Ostrea* was removed from her winter quarters and prepared for sea, and when ready, received instructions from your department to proceed to Pownal bay and assist the provincial survey officers in surveying Pownal and Orwell bays. This work was commenced on the 20th May under the superintendence of Professor H. H. Shaw, Provincial Engineer for Prince Edward Island, and his staff, and continued surveying until the 16th July, when these areas were completed. I then returned to Charlottetown, landed all the surveying instruments, coaled and watered *Ostrea* and sailed the next morning for Caribo.

CARIBO, N.S.

This area was formerly a barren bottom situated on the south side of Caribo harbour about 150 yards off the shore from high water mark, and contains about four acres running parallel with the shore. In 1911 this area was shelled and prepared for planting young oysters, but owing to the lateness of the season only twenty-five barrels of small oysters were obtained from Richmond bay, Prince Edward Island, and planted on one acre on the eastern end of the area. In 1912 arrangements were made by the Department to obtain 75 barrels of seed oysters from Warren, Rhode Island. These oysters arrived in good condition and were planted on the remaining three acres on the 25th of May of last year. It was my intention to have examined this area later in the season if opportunity permitted, but my time was otherwise occupied, and at the end of the season the weather was too wild and stormy to make the attempt, so left it until this season. I sailed from Charlottetown on the 17th July arriving in Caribo the same day, and on Friday the 18th laid out the area and examined same, and found the bed to be clean and free from weed or sediment, the oysters are growing and are in a healthy condition. The oysters which were transplanted from Prince Edward Island the year before last are looking much better than the American oyster, and have grown considerably.

With the American oysters I noticed a small per centage of death, due probably to their long journey, and their growth has not been very rapid, but they are very firm and their shells are hardening, and I look forward to a much larger growth next year. I took thrée hauls of the dredge of American oysters and their numbers were as follows: 115, 125 and 195 respectively, and two hauls of Prince Edward Island oysters being 251 and 179. I did not detect any signs of spat among the cultch, but the season so

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far had been very backward, wild and cold, the temperature of the water at above date was 63 Fahr. The weather too was most disagreeable and wet, I left there on Saturday returning to Charlottetown.

MALPEQUE, P.E.I.

I left Charlottetown on the 21st July arriving in Malpeque on the 23rd to examine Bird Island bed which is an artificially made bed comprising 4 acres of water bottom. It is a barren area situated on the north side of Richmond bay, off the south shore of Bird or Middle island just to the eastward of where the mouth of Bideford river empties into Richmond bay. This area was selected in 1910 when it was cleaned, prepared, shelled and planted with young hardy growing oysters from Ram island. I visited and examined this area in 1911 and found the bottom clean and in perfect condition and also obtained samples of oysters from different parts of the area, they were all found to be in a perfectly healthy condition and had grown considerably, there was no mortality noticed, but could detect several traces of young spat attached to shells, stones, &c., giving every satisfaction. In 1912 I again visited this area and found the bottom clean and free from seaward or eelgrass and the oysters growing in a very satisfactory manner, but it was particularly noticeable, that this bed had been raided on by poachers and the oysters were much scarcer in numbers than formerly.

Upon my arrival at the bed this season I was much surprised to find an enormous growth of eelgrass over the whole area. The growth of eelgrass in Malpeque and Richmond bays this summer has been extraordinary and everyone has remarked that they have never remembered seeing such a quantity before, and before an examination could be made the eelgrass had to be removed so I obtained the services of three men to assist in raking over the area to remove and clean up the ground generally and continued to do so until the 28th August, when I found all the grass had been removed and the area clean. I took a few hauls of the dredge over different parts of the bed with the following results:—The first haul consisted of 124 oysters and small brood, second haul 80 oysters, third, 37 oysters, fourth, 57 oysters, fifth, 18 oysters and sixth haul 25 oysters. The largest proportion of oysters found on the bed consists of small ones which have grown there since the bed was planted, and the original oysters that were placed there are very scarce. Had the bed not been molested by poachers the results would have been very gratifying. I found a few well grown oysters which were planted when very small but the majority of them have disappeared. There are quite a few scattered young oysters to be found along the eastern shore of Bird island, the spat, no doubt originating from the bed after it had been planted. After completing my work I removed the stakes which marked the area, and sailed from Malpeque on the 2nd September, but owing to bad weather did not arrive in Richibucto until Saturday the 6th of September.

RICHIBUCTO, N.B.

Having received instructions to proceed to Richibucto Village bay for the purpose of examining the bottom to ascertain if it would be possible and advisable to plant quahaugs as an experiment in this locality I thoroughly examined the whole area of the bay, and found the shores to be of a sandy nature, but as the water deepens to two or three feet the bottom is found to be exceedingly soft, the water continues to deepen to a depth of seven or eight feet with the same bottom. In the middle of this bay there is a middle ground or ridge composed of a mixture of sand, mud, clam shells, mussels, and in some places is thinly covered with eelgrass, and is bare at others, with a depth of from five to six feet around the edges, and gradually shoals towards the middle and southeast side to about two feet at low water. I placed stakes around this area and ran a line around it to ascertain the size. The north side had a length of two hundred

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and forty five fathoms, the south side which was rounded was three hundred and fifty fathoms, the western side was one hundred and five fathoms, and the eastern side was one hundred and eighty fathoms long. The water is pure and a fair current in this locality, and while the soft shell clam is found along the shores, mussels also grow here, and oysters are also found in small quantities in the Narrows, which is only a short distance from the area in question, but no quahaugs are found in this harbour; yet I see no reason why they would not grow if planted here, and also in the Narrows which has a sandy bottom with a depth of ten feet of water, and it is the channel leading to the Village bay. The quahaugs could be planted around this area with a depth of four feet over them at low water.

Should the Department decide to make an experiment of planting any quahaugs here, no labour of preparing the ground is at all necessary, it is only a matter of obtaining them and depositing them on the grounds. They could be obtained at Buctouche at about one dollar per bushel or thereabouts which I believe is the present market price, and would suggest that about one hundred bushels would be sufficient for distribution in the different localities as an experiment, but owing to the lateness of the season the planting of these quahaugs was deferred until the following spring when further arrangements will be made.

I then left Richibucto and proceeded to Bay du Vin arriving there on the 25th September.

BAY DU VIN, N.B.

Last year I made an examination of the water bottoms in Bay du Vin and locality for the purpose of finding an area of barren bottom where an experimental bed could be formed. A suitable piece of ground comprising an area of four acres and having a depth of from seven to ten feet water was laid out, off Horton's creek on the west side of the bay, consisting of a firm smooth bottom with a few scattered stones, and is in close proximity to the Fishery Officer's residence. But before I could prepare this area I received instructions from the Department to take up patrol in Prince Edward Island.

I returned to Bay du Vin this fall in the hope of completing my work which was left undone from last year and endeavoured to make arrangements with the oyster fishermen to save their shells while fishing for oysters, this they promised to do, and on the 3rd October obtained twenty-nine barrels shells, and on the 6th secured seventy-eight barrels from nine boats, afterwards these men would not catch them for the price paid. I then went over to Oak Point to make arrangements with other oyster fishermen to save their shells, but owing to gales of wind and broken weather I was unable to secure more than one hundred and thirty-six barrels up to the 3rd November, making a total of two hundred and forty-three barrels of shells laid to date. The fishermen then stopped fishing for the season, and after preparing for sea I awaited the first favourable opportunity to proceed to Charlottetown. On the 7th November the weather moderated when I sailed from Bay du Vin Island, arriving in Charlottetown on the following day. The season being too far advanced to carry on any further work I dismantled the *Ostrea* placing all her gear in the warehouse and had her hauled into her winter quarters and blocked up snug for the winter. I may here state that during the whole of the past season the weather was very unsettled and disagreeable and much rain fell, which retarded my work to a considerable extent in a boat the size of the *Ostrea*.

PRIVATE OYSTER AREAS IN P.E.I.

In my last year's report I referred to the work which had been taken up by the Prince Edward Island government in surveying the water bottoms and laying out areas to be leased for the purpose of private cultivation of oysters. This work they are still following up, and surveys have been made during the past season of the following

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localities, viz.: St. Peters bay, Pownal bay, Orwell bay, New London bay, Cascumpeque bay, Tryon river, Bentick Cove, Oyster Cove, Indian river, Barbaraweit river, Shipyard river, and Bedeque bay. South West river and New London have been partly surveyed.

There are approximately over five thousand acres already leased and under cultivation, and applications to lease seven thousand acres are also under consideration.

The McNutt Malpeque Oyster Company and the Standard Cup Oyster Company have obtained an up to date plant in the shape of modern gasoline dredging boats from the United States, and have laid large quantities of seed and other oysters. There are at the present date twelve or fourteen oyster companies fairly started in Richmond bay with capital ranging from twenty-five thousand to one hundred and fifty thousand dollars, and new companies are being continually formed, so that it is confidentially expected that under private culture, a new era will begin and the prospects for the future are looking very bright in the oyster industry on Prince Edward Island.

I have the honour to be, sir,

Your obedient servant,

ERNEST KEMP,
Oyster Expert.

APPENDIX No. 13.

FISH BREEDING

OTTAWA, September 30, 1914.

The Deputy Minister,
Department of Marine and Fisheries,
Ottawa, Ontario.

SIR,—I have the honour to submit herewith my annual report on the Fish Breeding operations conducted by the Department during the season of 1913-14.
The total distribution of fry and older fish for the season was approximately 1,228,000,000 and while the number of some of the species propagated was not as large as last year, the total distribution was increased to the extent of over 154 millions. A general outline of the work as regards each species propagated is given below.

ATLANTIC SALMON.

Atlantic salmon is propagated principally in the Maritime Provinces and Quebec. With the exception of Tadousac, Que., where they are taken in nets operated by the hatchery staff, the parent fish are purchased from the commercial fishermen. The early run of fish, which enters the river during the legal fishing season, is retained at Tadousac, Quebec, Restigouche and St. John, N.B.; but at Miramichi, N.B., and Margaree, N.S., none are impounded until September, after the beginning of the close season. The total distribution of this species was slightly less than it was last year. This is due to the eggs obtained at St. John and Miramichi not being up to their usual standard. The number of eggs obtained from each retaining pond and the manner in which they were distributed to the different hatcheries is as follows, viz.:—

Tadousac Pond... 2,239,000 Eggs.

These were laid down and brought to the eyed stage in the Tadousac hatchery, when 1,000,000 were sent to the subsidiary hatchery on the Bergeronnes river, and 600,000 were sent to the subsidiary hatchery on the St. Marguerite river. The balance was distributed as fry from Tadousac.

Restigouche Pond... 2,356,500 Eggs.

On the Restigouche 530 salmon were taken in the government net at Tide Head, and 98 were purchased from the commercial fishermen at New Mills. These were retained in the fresh water pond at Tide Head on the Restigouche and yielded 2,356,500 eggs, which were all brought to the eyed stage in the Restigouche hatchery, when 500,000 were transferred to the new subsidiary hatchery on the Nepisiguit river.

Miramichi Pond... 8,965,000 Eggs. ..

On the Miramichi river 2,100 salmon were taken, which yielded 8,965,000 eggs, which were distributed as follows, viz.:—

Bedford Hatchery, N.S..	1,500,000
Kelly's Pond Hatchery, P.E.I..	1,265,000
Windsor Hatchery, N.S..	1,750,000
Gaspe Hatchery, Quebec..	2,300,000
Miramichi Hatchery, N.B..	2,150,000

St. John Pond... 6,896,500

One thousand two hundred and seventy-five fish stripped at the St. John Pond yielded 6,896,500 eggs. These were all laid down in the hatchery at Grand Falls until the new hatchery at St. John was completed. To accommodate this large number, the trays had to be placed two or three tiers deep in the trough, necessitating more handling and washing, which caused a little heavier loss than would otherwise have been the case. After the eggs reached the eyed stage, the following shipments were made from Grand Falls, viz.:—

St. John Hatchery, N.B.	2,500,000
Newcastle Hatchery, Ontario	202,900
Cowichan Lake Hatchery, B.C.	100,000
St. Alexis Hatchery, Que.	75,000
Lake Lester Hatchery, Que.	75,000
Margaree Pond	6,730,000

Six million seven hundred and thirty thousand eggs were obtained from 862 salmon in the retaining pond at Margaree Harbour, N.S. 1,200,000 of these were at once transferred to the Middleton Hatchery, N.S., and the balance, 5,530,000, were laid down in the hatchery at N.E. Margaree, N.S. In February, after they reached the eyed stage, 400,000 were transferred to the Middleton hatchery and 600,000 to the Windsor hatchery, and in March, 1,000,000 were transferred to the subsidiary hatchery at Lindloff creek, near St. Peter's, N.S., leaving a balance of 3,530,000 which were distributed as fry from the Margaree hatchery. Very satisfactory results were obtained from all of these eggs, with the exception of those transferred to Lindloff. For some reason, which up to the present the department has been unable to ascertain, these eggs were almost a total loss.

PACIFIC SALMON.

I am pleased to report the satisfactory increase of over 33¼ millions in the different species of Pacific salmon distributed in British Columbia over the numbers distributed in 1913. The parent salmon are intercepted on their way from the ocean to their spawning grounds by fences placed across the streams. These fences in some places were swept away by freshets; but the hatchery officers were able to replace them or to procure the number of fish required by means of nets.

At the Lakelse lake, Skeena river, hatchery the fences were swept out and all the parent fish had to be taken by nets on their natural spawning beds. This necessitated a great deal of difficult work on the part of the staff; but to their credit they succeeded in obtaining the usual supply of eggs.

SPECKLED TROUT.

The distribution of speckled trout fry almost doubled that of last year.

At the St. Alexis hatchery, were the department has in the past obtained practically all the eggs of wild trout that it has handled, heavy rains and consequent freshets during the collecting season made the work difficult in the first place, and a large number of fish were lost by the breaking of a dam, which swept away some of the crates and raised the water so high over other enclosures that the parent fish retained in them escaped. The total collection in the district was 486,000 eggs which were distributed to the different hatcheries as follows, viz.:—

Lac Tremblant Hatchery	100,000
Lake Lester Hatchery	75,000
St. Alexis Hatchery	311,000

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The shortage at St. Alexis was made up by the increased collection in the streams of Prince Edward Island, and the purchase of a larger number of eggs than has been customary. The increased collection in Prince Edward Island is very satisfactory. Three years ago, the officer in charge of the Kelly's Pond Hatchery succeeded in collecting 7,000 eggs. In 1912 the collection was increased to 134,000, and last year it was further increased to 459,600. The fry resulting from these eggs were distributed from the Kelly's Pond Hatchery.

The number of speckled trout eggs obtained from the Margaree river was not as large as last year. Unfortunately, by the time that the retaining pond for the parent trout was ready the run had passed up the river and dispersed in the smaller lakes and streams at the headwaters. A small number of trout were taken; but these did not yield as well as could be desired. I am pleased to say, however, that profiting from last year's experience a trap net was set at the proper time to intercept the first run of sea-trout and 700 splendid fish were taken in a short time, a number of which run from 3 to 5 lbs. in weight. These have kept well in the pond throughout the summer and will be liberated after they are stripped. The fry resulting from the eggs obtained last fall were distributed from the Margaree Hatchery.

An attempt was made for the first time to collect trout eggs in the Middleton District, N.S. As this was entirely new work on the part of the men engaged, they only succeeded in taking 20,000 eggs. This number was, however, increased by the purchase of 290,000 eggs, making a total of 310,000 trout eggs laid down in the Middleton hatchery.

An effort was also made to collect trout eggs in the Miramichi district. The different streams in the neighbourhood of the hatchery were prospected in September and October. The conditions, however, were not favourable, as the waters were extremely low. The northwest branch, seven miles of the southwest branch, as well as six miles of the Main Miramichi river were gone over without getting any trout. The Tabusintac was also inspected without result; but 180 trout were taken in the Bartibog river. Owing to the injuries these fish received in being transferred to the hatchery pond, the yield of eggs was small. The information, however, obtained indicates that if proper arrangements are made a considerable number of speckled trout eggs can be collected in the river, and, as it is under lease the Provincial government has made provision by Order in Council for the taking of parent trout therein for hatchery purposes. Operations are again being carried on this fall, and next season it is proposed to build a retaining pond at some suitable place and take the parent fish in a pound net adjacent thereto as they ascend the river, much in the same way as was done this year in the Margaree river.

Some 600,000 speckled trout eggs were also collected by the Officer in Charge of the Port Arthur hatchery in Lake Nipigon, Ontario, while engaged on this lake in the collection of whitefish and salmon trout eggs. While not more than 50 per cent of these eggs hatched, this return is all that could be expected under the conditions that prevailed. The eggs had to be kept at the spawning camp for a considerable time and owing to poor transportation facilities were subjected to rough handling in being transferred to the hatchery.

As the Provincial Government has agreed to attend to the propagation of sporting fish in Ontario, no collection of trout eggs in these waters will be made in future. 145,000 fry resulting from the eggs obtained there last fall were, this spring, handed over to the Provincial Government for distribution. The balance of the eggs were distributed to the different hatcheries, viz.:—

Granite Creek Hatchery, B.C.	50,000
Grand Falls Hatchery, N.B.	50,000
Bedford Hatchery, N.S.	75,000

The speckled trout eggs that were hatched in the new establishment at St. John were purchased from the Caledon Mountain Trout Club, of Brantford, Ont.

OUANANICHE.

An attempt was again made by the Officer in Charge of the Bedford Hatchery to collect ouananiche in Grand lake and tributary streams; but without success. Trap and gill-nets were set on October 13, and the first fish were taken on October the 16th. From that date to December the 18th, 75 fish were taken, of which only two yielded eggs, the first on November the 21st and the second on December the 1st. As the remainder did not show any indication of ripening, and from their appearances would not ripen until midwinter and were becoming weak, they were liberated. Only 4,000 eggs in all were obtained, and as the operations were somewhat expensive, the department would not be justified in continuing them.

SALMON TROUT.

The collection of salmon trout eggs and the distribution of fry resulting therefrom was not as large as in 1912-13. The salmon trout eggs are obtained in the Great Lakes from commercially caught fish, and as the weather on Lake Huron and Georgian Bay continued mild right up to the commencement of the close season, a much smaller percentage than usual of the fish taken were ripe and the collection of eggs was in proportion thereto. The collection in Lake Superior was about the same as in former years.

The staff of the Newcastle hatchery collected 7,868,000 eggs in Lake Huron, which were distributed as follows, viz.:—

Southampton Hatchery, Ont.	2,548,000
Lake Tremblant Hatchery, Que. (Eyed)	1,000,000
Lake Lester Hatchery, Que. (Eyed)	507,600
The balance were hatched and distributed from the Newcastle Hatchery.	

The staff of the Wiarton hatchery collected 12,572,000 eggs, which were distributed as follows, viz.:—

Lake Lester Hatchery, Que.	378,000
Grand Falls Hatchery, N.B.	50,000
The balance were hatched and distributed from the Wiarton hatchery.	

The staff of the Southampton hatchery collected 8,103,000 which in addition to the shipment from Newcastle were all hatched and distributed from Southampton.

The Port Arthur hatchery staff collected 7,000,000 eggs in Lake Superior and 1,000,000 in Lake Nipigon, of which 1,000,000 were sent in the eyed stage to the Banff hatchery, and the balance were hatched and distributed as fry and fingerlings from the Port Arthur hatchery.

CUT-THROAT TROUT.

I am sorry to say that the collection of cut-throat trout eggs in the Banff district was not a success. Every effort was made to collect these eggs in the Jumping Pond and its tributaries, in Pirmez, Robinson and other creeks; but only a small number were procured, as fish of spawning size could not be found. Unfortunately, most of the eggs that were obtained and placed in the Banff hatchery, were killed by heavy blasting in the immediate vicinity.